abcam

ab32

Anti-Myc tag antibody [9E10]

Anti-Myc tag antibody [9E10] (ab32) is a mouse monoclonal antibody detecting Myc tag in **Western Blot, Flow Cytometry, IP, IHC-Fr, ICC/IF, ELISA**.

- Over 430 publications
- Trusted since 1998

Lab Essentials

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	9E10
Purification technique	Affinity purification
Light chain type	kappa
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Expected

Species	Tag
Dilution info	6 µg/mg of lysate
Notes	-

Flow Cyt

Expected

Species	Tag
Dilution info	1 µg for 10^6 Cells
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ELISA

Expected

Species	Tag
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Tag
Dilution info	1/500 - 1/1000
Notes	-

Purification

Expected

Species	Tag
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Tested

Species	Tag
Dilution info	5 µg/mL
Notes	-

IHC-Fr

Expected

Species	Tag
Dilution info	-
Notes	See Abreviews.

Target data

See full target information MYC

Function	Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' (PubMed:24940000, PubMed:25956029). Activates the transcription of growth-related genes (PubMed:24940000, PubMed:25956029). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed:24940000, PubMed:25956029). Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells (By similarity). Functions with TAF6L to activate target gene expression through RNA polymerase II pause release (By similarity). Positively regulates transcription of HNRNPA1, HNRNPA2 and PTBP1 which in turn regulate splicing of pyruvate kinase PKM by binding repressively to sequences flanking PKM exon 9, inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production of the PKM M2 isoform (PubMed:20010808).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Anti-Myc tag antibody [9E10] (ab32) is a House Mouse Monoclonal antibody and is validated for use in ELISA, Flow Cyt, ICC/IF, IHC-Fr, IP, Purification, WB in guinea pig, human, mouse, rat samples.

Anti-Myc tag antibody [9E10] (ab32) has been cited over 432 times in peer reviewed journals and is trusted by the scientific community.

Abcams high quality validation processes ensure Anti-Myc tag antibody [9E10] (ab32) has high sensitivity and specificity.

Anti-Myc tag antibody [9E10] (ab32) has 29 independent reviews from customers.

Myc tag antibodies are used to visualize proteins labelled with this tag in a variety of applications (for example imaging and Flow cytometry). To enable specific detection of your tagged protein, Anti-Myc tag antibody [9E10] (ab32) has been validated in ELISA, Flow Cyt, ICC/IF, IHC-Fr, IP, Purification, WB

Anti-Myc tag antibody [9E10] (ab32) specifically detects Myc tag (UniProt ID: P01106; Molecular weight: 51kDa) and is sold in 100 ug and 1 mg selling sizes.

Conjugation-ready, carrier free format available for antibody clone 9E10 - ab26463.

The Myc tag is a small peptide tag derived from the c-Myc protein, commonly used in molecular biology and biochemistry. It consists of 10 amino acids with the sequence EQKLISEEDL. This tag is often fused to proteins of interest to facilitate their detection and purification. Myc-tagged proteins can be identified using specific antibodies in various assays, including western blotting (WB), immunoprecipitation (IP), immunofluorescence (ICC, IF), ELISA, and flow cytometry (FC). The Myc tag is a valuable tool for studying protein expression, localization, and interactions in diverse biological research applications.

Want a custom formulation?
This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

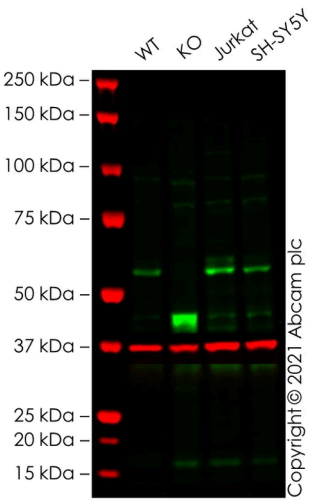
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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14 product images



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

False colour image of Western blot: Anti-Myc tag antibody [9E10] staining at 1/200 dilution, shown in green; Rabbit Anti-GAPDH antibody [EPR16891] (ab181602) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab32 was shown to bind specifically to Myc tag. A band was observed at 57 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in MYC knockout cell line ab256500 (knockout cell lysate ab263850). The band observed in the knockout lysate lane below 57 kDa is likely to represent a truncated form of Myc tag. This has not been investigated further and the functional properties of the gene product have not been determined. To generate this image, wild-type and MYC knockout HEK-293T cell lysates were analysed.First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed (ab216772) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed (ab216777) at 1/20000 dilution.
All lanes:
Western blot - Anti-Myc tag antibody [9E10] (ab32) at 1/200 dilution

Lane 2:
MYC knockout HEK-293T cell lysate at 20 µg

Lane 3:
Jurkat cell lysate at 20 µg

Lane 4:
SH-SY5Y cell lysate at 20 µg

Performed under reducing conditions.

Predicted band size: 48 kDa

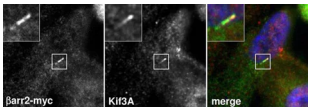
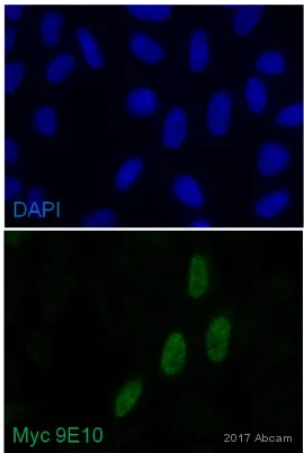


Image from Molla-Herman A et al., PLoS One. 2008;3(11):e3728. Fig 8(B).; doi: 10.1371/journal.pone.0003728. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

Immunocytochemistry/ Immunofluorescence - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Myc tag antibody

RPE1 cells grown on coverslips were transfected with βarr2-myc, grown in low serum and then fixed and stained for Kif3A (red) and ab32 (green). Insets show higher magnifications of a representative PC. Kif3A was found in the cytoplasm and at the tip of the axoneme where it was colocalized with βarr2.
Cells were incubated with primary antibodies in permeabilization buffer (PBS with 1 mg/mL bovine serum albumin (PBS-BSA) and 0.1% triton-X-100) for 45 minutes at room temperature. After two washes with PBS-BSA, cells were incubated for 30 minutes at room temperature in PBS-BSA containing secondary antibodies. After one wash with PBS-BSA and two washes in PBS, cells were laid down on microscope slides in a PBS–glycerol mix (50/50) with DAPI.

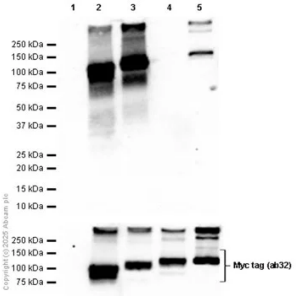


This image is courtesy of an anonymous customer review

Immunocytochemistry/ Immunofluorescence - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Myc tag antibody

ab32 staining a Myc tagged protein in HeLa cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Endogenous c-myc was not detected under these conditions. Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton and blocked with 5% Serum for 30 minutes at 25°C. Samples were incubated with primary antibody (1/1000 in 5% Serum) for 1 hour at 25°C. An Alexa Fluor® 488 conjugated Goat anti-Mouse was used as a secondary antibody.



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
In Western blot, Anti-Myc tag antibody [9E10] - Loading Control (ab32) staining at 1/10000 dilution.

This antibody weakly cross-reacts with Human GRIA1 but does not cross-react with GRIA4.

Exposure time: ab206293: 80s; ab32: 80s.

All lanes:
Western blot - Anti-Ionotropic Glutamate receptor 2 + 3 antibody [EPR18115] (ab206293) at 1/5000 dilution

Lane 1:
293T transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate at 20 µg

Lane 2:
293T transfected with Human fragment GRIA2 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 3:

293T transfected with Human full length GRIA3 expression vector containing a n-term myc-His-tag®, whole cell lysate at 20 µg

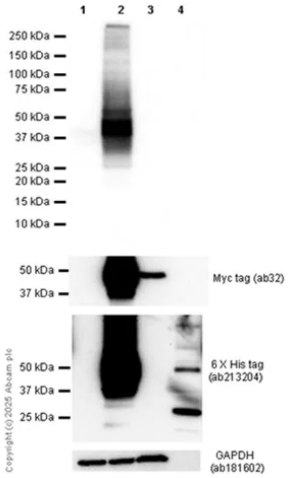
Lane 4:
293T transfected with human full length GRIA4 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 5:
Recombinant Human full length GRIA1 Protein containing a C-Myc/DDK tag at 100 ng

Secondary

All lanes:
Goat anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Observed band size: 100 kDa



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) staining at 1/1000000 dilution.

In Western blot, Anti-Myc tag antibody [9E10] - Loading Control (ab32) staining at 1/10000 dilution.

In Western blot, Anti-6X His tag® antibody [EPR20547] - Loading Control (ab213204) staining at 1/10000 dilution.

This antibody does not cross react with DR5 and DcR2.

All lanes:
Western blot - Anti-DR4 antibody [EPR28152-57] (ab312848) at 1/1000 dilution

Lane 1:
293T (Human embryonic kidney epithelial cell) transfected with an empty vector (vector control), containing a myc-His- tag® whole cell lysate at 20 µg

Lane 2:
293T transfected with human DR4 expression vector containing a myc- His-tag®, whole cell lysate at 20 µg

Lane 3:
293T transfected with human DcR2 expression vector containing a myc- His-tag®, whole cell lysate at 48 µg

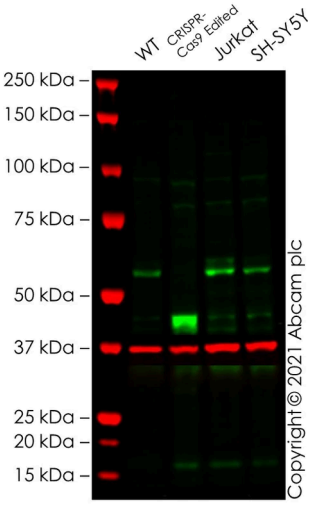
Lane 4:
Recombinant human DR5 fragment protein containing a His-tag®, whole cell lysate at 10 ng

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 48 kDa

Exposure time: 3s



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

False colour image of Western blot: Anti-Myc tag antibody [9E10] staining at 1/200 dilution, shown in green; Rabbit Anti-GAPDH antibody [EPR16891] (ab181602) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab32 was shown to bind specifically to Myc tag. A band was observed at 57 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in MYC CRISPR-Cas9 edited cell line ab256500 (CRISPR-Cas9 edited cell lysate ab263850). The band observed in the CRISPR-Cas9 edited lysate lane below 57 kDa is likely to represent a truncated form of Myc tag. This has not been investigated further and the functional properties of the gene product have not been determined. To generate this image, wild-type and MYC CRISPR-Cas9 edited HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed (ab216772) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed (ab216777) at 1/20000 dilution.
Lanes 1 - 4:
Western blot - Anti-Myc tag antibody [9E10] (ab32) at 1/200 dilution

Lanes 1 - 4:
Western blot - Anti-Myc tag antibody [9E10] (ab206486) at 1/200 dilution

Lane 1:
Wild-type HEK-293T cell lysate at 20 µg

Lane 2:
MYC CRISPR-Cas9 edited HEK-293T cell lysate at 20 µg

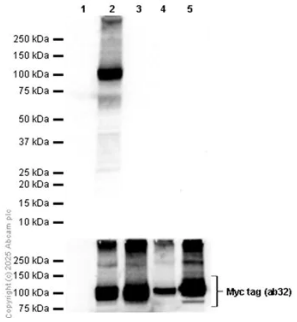
Lane 2:
Western blot - Human MYC (c-Myc) knockout HEK-293T cell line (ab256500)

Lane 3:
Jurkat cell lysate at 20 µg

Lane 4:
SH-SY5Y cell lysate at 20 µg

Performed under reducing conditions.

Predicted band size: 48 kDa, 49 kDa



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

This antibody does not cross-react with Mouse GRIA2, GRIA3 and GRIA4.

All lanes:
Western blot - Anti-Glutamate Receptor 1 (AMPA subtype) antibody [EPR19522] (ab183797) at 1/1000 dilution

Lane 1:
293T transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate at 20 µg

Lane 2:
293T transfected with Mouse full length GRIA1 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 3:
293T transfected with Mouse full length GRIA2 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 4:
293T transfected with Mouse full length GRIA3 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 5:
293T transfected with Mouse full length GRIA4 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Secondary

Lanes 1 - 5:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Lanes 1 - 5:
Goat anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Observed band size: 101 kDa

Exposure time: 20s

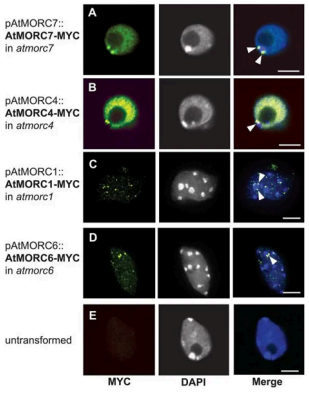


Image from Harris CJ et al., PLoS Genet. 2016;12(5):e1005998. Fig 5.; doi: 10.1371/journal.pgen.1005998. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

Immunocytochemistry/ Immunofluorescence - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Myc tag antibody

(A-D) Representative examples of body forming AtMORC7-MYC, AtMORC4-MYC, At-MORC1-MYC, and AtMORC6-MYC nuclei, respectively. (E) Untransformed wt nucleus subjected to the same antibody staining and imaging procedure. Left panels = anti-MYC channel; middle panels = DAPI channel (gray scaled). DAPI stains DNA, defining the position of dense chromocenters as high intensity white foci; right panels = merged channels (DAPI in blue, MYC in green). White triangles indicate examples of chromocenter adjacent AtMORC localization. Scale bars = 5 µM.
Leaves from three-week old plants were fixed in 4% paraformaldehyde in TRIS buffer (10 mM TRIS pH 7.5, 10 mM EDTA, and 100 mM NaCl) for 20 minutes and washed twice in TRIS buffer. Leaves were chopped in 200–400 microliters lysis buffer (15 mM TRIS pH 7.5, 2 mM EDTA, 0.5 mM spermine, 80 mM KCl, 20 mM NaCl, and 0.1% Triton X-100) and filtered through a 3 µM cell strainer. 5 µL of nuclei suspension was added to 12 µL of sorting buffer (100mM TRIS pH 7.5, 50mM KCl, 2mM MgCl2, 0.05% Tween-20, and 20.5% sucrose) and air dried on chloroform dipped microscope slides for two hours and then post-fixed in 4% paraformaldehyde in PBS for 20 minutes. Slides were washed three times in PBS and incubated in blocking buffer (3% BSA, and 10% horse serum in PBS) for 30 minutes at 37°C. Nuclei were incubated at 4°C overnight in mouse monoclonal antibody against c-Myc (9E10, ab32; 1/200). Slides were washed in PBS and incubated with goat anti-mouse FITC antibody (ab7064; 1/200) for 90 minutes at room temperature. Following PBS washes, nuclei were counterstained and mounted in Vectashield mounting media with DAPI. Nuclei were analyzed with a Zeiss LSM 710 Confocal microscope at 63X or 100X magnification using Zen software.



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining of E. coli Positive Control (Escherichia coli) Whole Cell Lysate using mouse Anti-Myc tag antibody

This image was produced using the same antibody clone but different formulation, ab32.
Lysate from E. coli recombinantly expressing 11 commonly used tags including myc tag.

All lanes:
Western blot - Anti-Myc tag antibody [9E10] (ab32) at 1 µg/mL

All lanes:
Western blot - E. coli Positive Control (Escherichia coli) Whole Cell Lysate (ab5395) at 10 µg

Secondary

All lanes:
Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

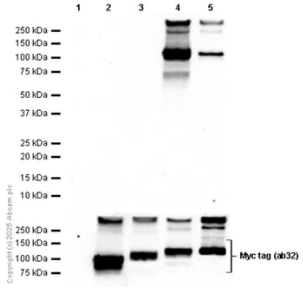
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 48 kDa, 49 kDa

Observed band size: 45 kDa

Exposure time: 1min



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST
In Western blot, Anti-Myc tag antibody [9E10] - Loading Control (ab32) staining at 1/10000 dilution.

This antibody does weak cross-react with Human GRIA1 and not cross-react with Human GRIA2 and GRIA3.

Exposure time: ab280199: 40s, ab32: 80s.

All lanes:
Western blot - Anti-Glutamate receptor 4 antibody [EPR24283-69] (ab280199) at 1/5000 dilution

Lane 1:
293T transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate at 20 µg

Lane 2:
293T transfected with Human fragment GRIA2 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 3:
293T transfected with Human full length GRIA3 expression vector containing a n-term myc-His-tag®, whole cell lysate at 20 µg

Lane 4:
293T transfected with human full length GRIA4 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 5:

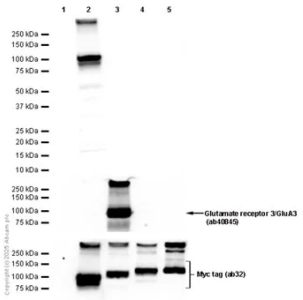
Recombinant Human full length GRIA1 Protein containing a C-Myc/DDK tag at 100 ng

Secondary

Lanes 1 - 5:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Lanes 1 - 5:
Goat anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Observed band size: 100 kDa



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM /TBST.
All lanes:
Western blot - Anti-Ionotropic glutamate receptor 2 antibody [EP929Y] (ab52896) at 1/5000 dilution

Lane 1:
293T transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate at 20 µg

Lane 2:
293T transfected with Human fragment GRIA2 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 3:
293T transfected with Human full length GRIA3 expression vector containing a n-term myc-His-tag®, whole cell lysate at 20 µg

Lane 4:
293T transfected with human full length GRIA4 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 5:
Recombinant Human full length GRIA1 Protein containing a C-Myc/DDK tag at 100 ng

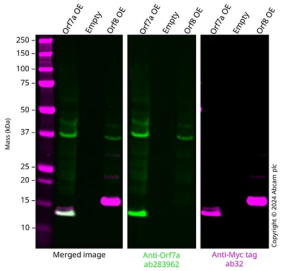
Secondary

Lanes 1 - 5:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Lanes 1 - 5:
Goat anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Observed band size: 100 kDa

Exposure time: 20s



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Anti-SARS-Cov-2 ORF7a antibody [EPR24850-55] (ab283962) staining at 1/1000 dilution, shown in green; Mouse anti-Myc tag [9E10] (ab32) loading control staining at 1/1000 dilution, shown in magenta.

In Western blot, ab283962 was shown to bind specifically to SARS-Cov-2 ORF7a. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged.

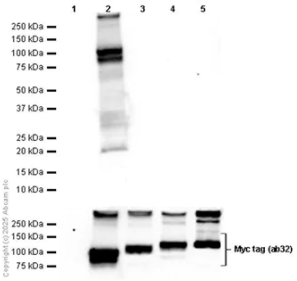
Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.

All lanes:
Western blot - Anti-SARS-CoV-2 orf7a antibody [EPR24850-55] (ab283962) at 1/1000 dilution

Lane 1:
HEK-293T overexpressing Orf7a cell lysate at 40 µg

Lane 3:
HEK-293T overexpressing Orf8 cell lysate at 20 µg

Observed band size: 13 kDa



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST
In Western blot, Anti-Myc tag antibody [9E10] - Loading Control (ab32) staining at 1/10000 dilution.

This antibody does not cross-react with Human GRIA1, GRIA3 and GRIA4.

Exposure time: ab133477: 20s, ab32: 80s.

All lanes:
Western blot - Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477) at 1/5000 dilution

Lane 1:
293T transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate at 20 µg

Lane 2:
293T transfected with Human fragment GRIA2 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 3:
293T transfected with Human full length GRIA3 expression vector containing a n-term myc-His-tag®, whole cell lysate at 20 µg

Lane 4:
293T transfected with human full length GRIA4 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

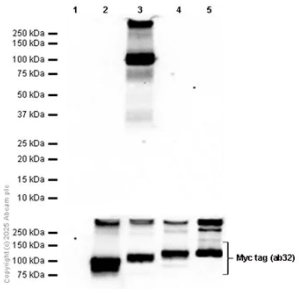
Lane 5:
Recombinant Human full length GRIA1 Protein containing a C-Myc/DDK tag at 100 ng

Secondary

Lanes 1 - 5:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Lanes 1 - 5:
Goat anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Observed band size: 100 kDa



Western blot - Anti-Myc tag antibody [9E10] (ab32)

Myc tag Western blot staining using mouse Anti-Myc tag antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST
In Western blot, Anti-Myc tag antibody [9E10] - Loading Control (ab32) staining at 1/10000 dilution.

This antibody does not cross-react with Human GRIA1,GRIA2 and GRIA4.

Exposure time: ab40845: 40s, ab32: 80s.

All lanes:
Western blot - Anti-Glutamate receptor 3/GluA3 antibody [EP813Y] (ab40845) at 1/1000 dilution

Lane 1:
293T transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate at 20 µg

Lane 2:
293T transfected with Human fragment GRIA2 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 3:
293T transfected with Human full length GRIA3 expression vector containing a n-term myc-His-tag®, whole cell lysate at 20 µg

Lane 4:
293T transfected with human full length GRIA4 expression vector containing a c-term myc-His-tag®, whole cell lysate at 20 µg

Lane 5:
Recombinant Human full length GRIA1 Protein containing a C-Myc/DDK tag at 100 ng

Secondary

Lanes 1 - 5:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Lanes 1 - 5:
Goat anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Observed band size: 100 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.