abcam

ab325801

Anti-BRD8/p120 antibody [EPR29849-178]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR29849-178
Purification technique	Affinity purification Protein A
Concentration	0.516 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/500
Notes	-

Species	Mouse

Dilution info	1/500
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/500
Notes	-

Species	Mouse
Dilution info	1/500
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Mouse
Dilution info	1/100
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Species	Mouse

Dilution info	1/1000
Notes	-

IP

Not recommended

Species	Human, Mouse
Dilution info	-
Notes	-

Target data

See full target information BRD8

Function

May act as a coactivator during transcriptional activation by hormone-activated nuclear receptors (NR). Isoform 2 stimulates transcriptional activation by AR/DHTR, ESR1/NR3A1, RXRA/NR2B1 and THRB/ERBA2. At least isoform 1 and isoform 2 are components of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AZ1 from the nucleosome.

Storage

Shipped at conditions	Conditional Ambient
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

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

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

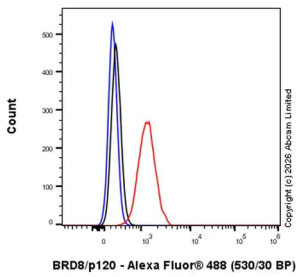
We do not recommend this combination. It is not covered by our product promise.

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.

16 product images

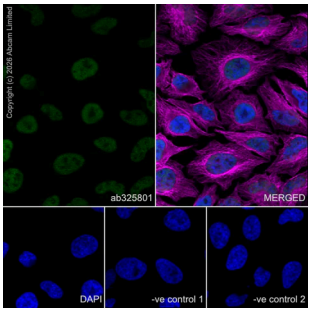


Flow Cytometry (Intracellular) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Flow Cytometry (Intracellular) staining of HeLa (human cervical adenocarcinoma epithelial cell) using rabbit Anti-BRD8/p120 antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (human cervical adenocarcinoma epithelial cell) labelling BRD8/p120 with ab325801 at 1/500 dilution (0.1ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

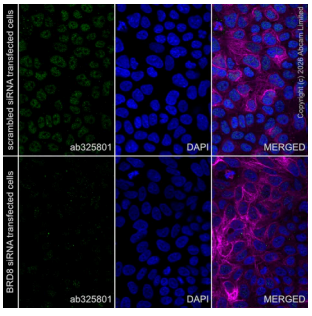
BRD8/p120 Immunocytochemistry/ Immunofluorescence staining of HeLa (human cervical adenocarcinoma epithelial cell) using rabbit Anti-BRD8/p120 antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa (human cervical adenocarcinoma epithelial cell) labelling BRD8/p120 with ab325801 at 1/500 (1.032 µg/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing nuclear staining in HeLa cell line (shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

-ve control 1: ab325801 at 1/500 dilution, followed by ab150120 at 1/1000 dilution.
-ve control 2: ab7291 at 1/1000 dilution, followed by ab150081 at 1/1000 dilution.



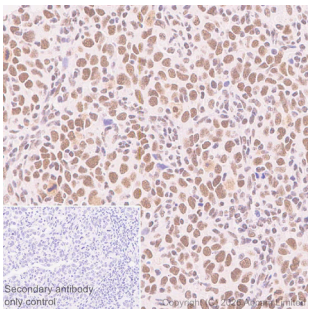
Immunocytochemistry/ Immunofluorescence - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunocytochemistry/ Immunofluorescence staining of DLD-1(human colorectal adenocarcinoma epithelial cell) transfected with scrambled siRNA using rabbit Anti-BRD8/p120 antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized DLD-1(human colorectal adenocarcinoma epithelial cell) transfected with scrambled siRNA and DLD-1 transfected with siRNA targeting BRD8 labelling BRD8/p120 with ab325801 at 1/500 (1.032 µg/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing nuclear staining in DLD-1 cells (shown in green) transfected with scrambled siRNA, showing decreased staining in DLD-1 cells transfected siRNA targeting BRD8. The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human cervical carcinoma using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Human cervical carcinoma tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

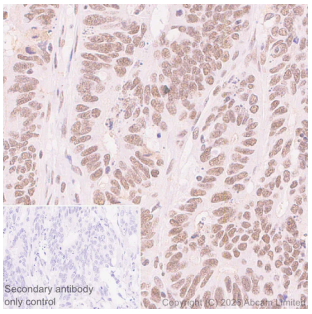
Positive staining on human cervical carcinoma. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human colon carcinoma using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

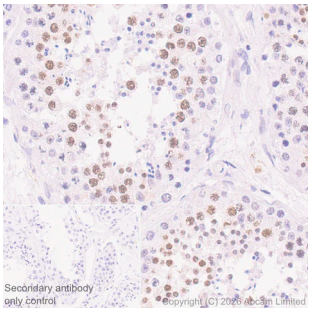
Positive staining on human colon carcinoma. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human testis using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

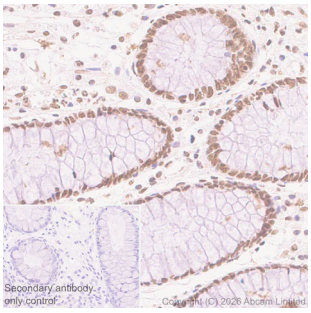
Positive staining on human testis. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human colon using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

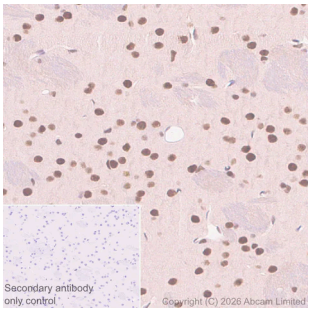
Positive staining on human colon. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse cerebrum using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

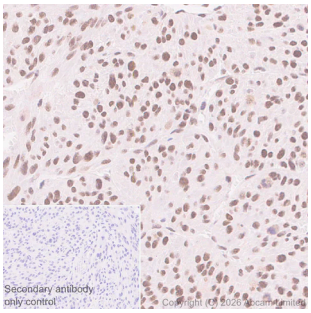
Positive staining on mouse cerebrum. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse glioblastoma using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Mouse glioblastoma tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

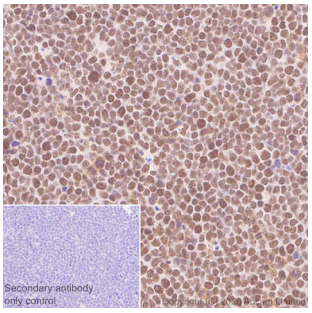
Positive staining on mouse glioblastoma. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse large B cell lymphoma using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Mouse large B cell lymphoma tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on mouse large B cell lymphoma. The primary antibody was incubated for 30 mins at room temperature.

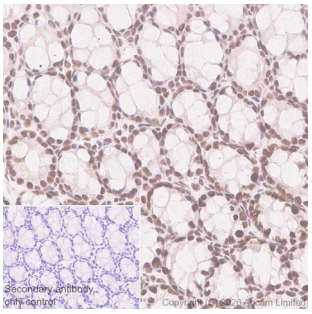
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse colon using rabbit Anti-BRD8/p120 antibody

Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labeling BRD8/p120 with ab325801 at 1/100 (5.16 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on mouse colon. The primary antibody was incubated for 30 mins at room temperature.

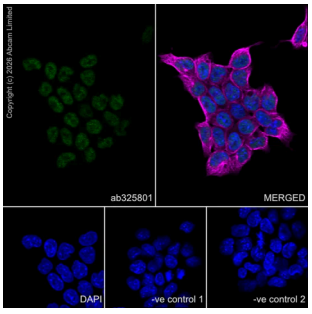
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunocytochemistry/ Immunofluorescence - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Immunocytochemistry/ Immunofluorescence staining of F9 (mouse embryonal carcinoma epithelial cell) using rabbit Anti-BRD8/p120 antibody

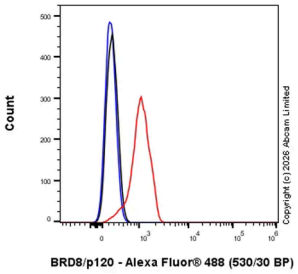
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized F9 (mouse embryonal carcinoma epithelial cell) labelling BRD8/p120 with ab325801 at 1/500 (1.032

µg/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing nuclear staining in F9 cell line (shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

-ve control 1: ab325801 at 1/500 dilution, followed by ab150120 at 1/1000 dilution.
-ve control 2: ab7291 at 1/1000 dilution, followed by ab150081 at 1/1000 dilution.

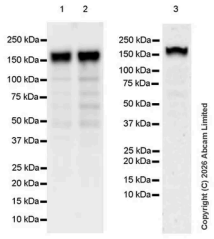


Flow Cytometry (Intracellular) - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Flow Cytometry (Intracellular) staining of F9 (mouse embryonal carcinoma epithelial cell) using rabbit Anti-BRD8/p120 antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized F9 (mouse embryonal carcinoma epithelial cell) labelling BRD8/p120 with ab325801 at 1/500 dilution (0.1ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Western blot - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Western blot staining using rabbit Anti-BRD8/p120 antibody

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

In lanes 1-2, to minimize protein degradation, cells were lysed immediately after harvest and then applied to a gel and transfer membrane for Western blotting as soon as possible.

All lanes:
Western blot - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801) at 1/1000 dilution

Lane 1:
HeLa (human cervical adenocarcinoma epithelial cell) fresh whole cell lysate at 20 µg

Lane 2:
293T (human embryonic kidney epithelial cell) fresh whole cell lysate at 20 µg

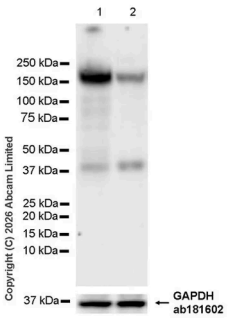
Lane 3:
SW480 (human colorectal adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 160 kDa

Exposure time: 48s



Western blot - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Western blot staining of DLD-1 (human colorectal adenocarcinoma epithelial cell) transfected with scrambled siRNA control whole cell lysate using rabbit Anti-BRD8/p120 antibody

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

The identity of the lower MW band at approximately 37 kDa is unknown.

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) (1:200000) (36KDa).

All lanes:
Western blot - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801) at 1/1000 dilution

Lane 1:
DLD-1 (human colorectal adenocarcinoma epithelial cell) transfected with scrambled siRNA control whole cell lysate at 20 µg

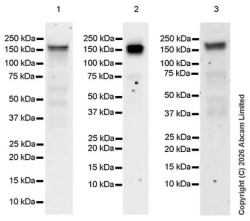
Lane 2:
DLD-1 transfected with siRNA specifically targeting BRD8 whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 160 kDa, 36 kDa

Exposure time: 48s



Western blot - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801)

BRD8/p120 Western blot staining using rabbit Anti-BRD8/p120 antibody

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

To minimize protein degradation, cells were lysed immediately after harvest and then applied to a gel and transfer membrane for Western blotting as soon as possible.

In lane 1, this blot was developed using a high-sensitivity ECL substrate, allowing for the detection of proteins in the mid-femtogram range.

Exposure time:
Lane 1 and 3: 180 seconds,
Lane 2: 70 seconds

All lanes:
Western blot - Anti-BRD8/p120 antibody [EPR29849-178] (ab325801) at 1/1000 dilution

Lane 1:
Mouse lung fresh tissue lysate at 20 µg

Lane 2:
F9 (mouse embryonal carcinoma epithelial cell) fresh whole cell lysate at 20 µg

Lane 3:
Mouse brain fresh tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 160 kDa

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