abcam

ab313801

Rabbit IgG, multiclonal [RM1060] - Isotype control

Recombinant | RabMAb | Advanced Validation | 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	Multiclonal
Clone number	RM1060
Purification technique	Affinity purification Protein A
Concentration	0.496 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Application	Flow Cyt (Intra)
Reactivity	Reacts
Dilution info	1/500
Notes	-

Application	WB
Reactivity	Reacts
Dilution info	1/1000
Notes	-

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

Application	ICC/IF
Reactivity	Reacts
Dilution info	1/50
Notes	-

Application	IP
Reactivity	Reacts
Dilution info	1/30
Notes	-

Application	ChIP-seq
Reactivity	Reacts
Dilution info	4 µg for 10^7 Cells
Notes	-

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

What are recombinant multiclonals?
Recombinant multiclonals are a mixture of recombinant antibodies co-expressed from a library of heavy and light chains. They offer several advantages including:

- The sensitivity of polyclonal antibodies by recognising multiple epitopes
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

View our range of recombinant multiclonal antibodies.

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.

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.

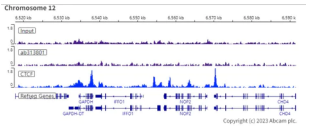
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

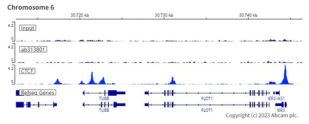
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17 product images



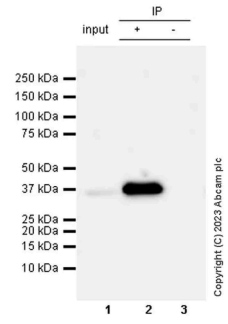
ChIP-sequencing - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with 10^7 cells and 4 µg of ab313801 [RM1060]. Assay Quality Control was conducted using 8 µg CTCF control ab188408 on the same cell line. ChIP DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 30 million reads. The Input control is also shown.



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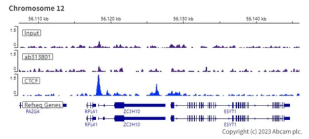
Immunoprecipitation - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Rabbit IgG, multiclonal [RM1060] - Isotype control was immunoprecipitated from 0.35 mg U-937 (human histiocytic lymphoma monocyte) whole cell lysate with ab313801 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab313801 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution. Lane 1: U-937 (human histiocytic lymphoma monocyte) whole cell lysate Lane 2: ab313801 IP in U-937 (human histiocytic lymphoma monocyte) whole cell lysate Lane 3: Rabbit IgG isotype control (ab313801) instead of ab307664 in U937 whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 10 seconds The IP experiment was performed by ab307664 using U937 cells. ab313801 was used as the isotype control instead of ab307664 in Lane 3.
All lanes:
U-937 (human histiocytic lymphoma monocyte) whole cell lysate

Secondary

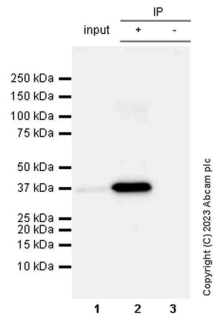
All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 10s



ChIP-sequencing - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Chromatin was prepared from HeLa cells. Cells were fixed with 1% formaldehyde for 10 minutes. ChIP was performed with 10^7 cells and 4 µg of ab313801 [RM1060]. Assay Quality Control was conducted using 8 µg CTCF control ab188408 on the same cell line. ChIP DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 30 million reads. The Input control is also shown.



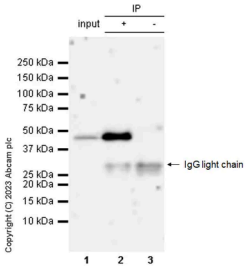
Immunoprecipitation - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Rabbit IgG, multiclonal [RM1060] - Isotype control was immunoprecipitated from 0.35 mg NIH/3T3 (mouse embryonic fibroblast) whole cell lysate with ab313801 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab313801 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution. Lane 1: NIH/3T3 (mouse embryonic fibroblast) whole cell lysate Lane 2: ab313801 IP in NIH/3T3 (mouse embryonic fibroblast) whole cell lysate Lane 3: Rabbit IgG isotype control (ab313801) instead of ab307664 in NIH/3T3 whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 10 seconds The IP experiment was performed by ab307664 using NIH/3T3 cells. ab313801 was used as the isotype control instead of ab307664 in Lane 3.
All lanes:
NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 10s



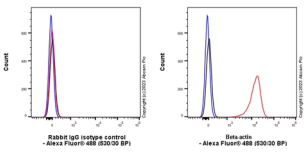
Immunoprecipitation - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Rabbit IgG, multiclonal [RM1060] - Isotype control was immunoprecipitated from 0.35 mg C6 (rat glial tumor glial cell) whole cell lysate with ab313801 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab313801 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution. Lane 1: C6 (rat glial tumor glial cell) whole cell lysate Lane 2: ab313801 IP in C6 (rat glial tumor glial cell) whole cell lysate Lane 3: Rabbit IgG isotype control (ab313801) instead of ab307357 in C6 whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 10 seconds The IP experiment was performed by ab307357 using C6 cells. ab313801 was used as the isotype control instead of ab307357 in Lane 3.
All lanes:
C6 (rat glial tumor glial cell) whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Exposure time: 10s

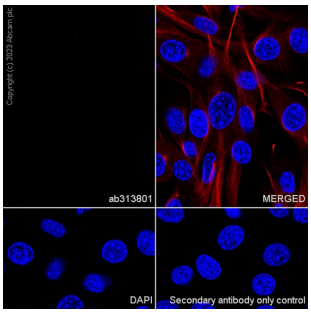


Flow Cytometry (Intracellular) - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Flow Cytometry (Intracellular) staining of NIH/3T3 (mouse embryonic fibroblast) using rabbit Anti- antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized NIH/3T3 (mouse embryonic fibroblast) cells labelling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/500 dilution (0.1 ug)/Red (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with

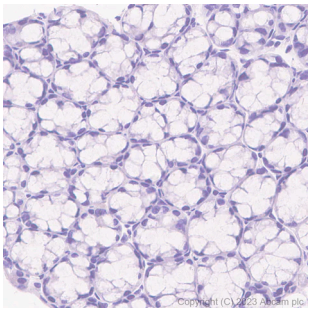
primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Immunocytochemistry/ Immunofluorescence staining of NIH/3T3 (mouse embryonic fibroblast cell) using rabbit Anti- antibody

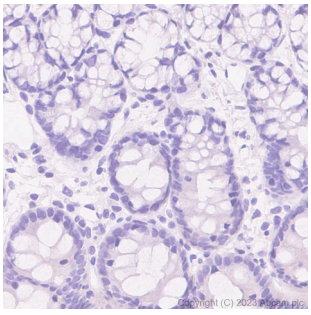
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized NIH/3T3 (mouse embryonic fibroblast cell) cells labelling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/50 (9.82 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2ug/ml dilution (Green). Confocal image showing negative staining in NIH/3T3 cell line. Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8). ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2ug/ml dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

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

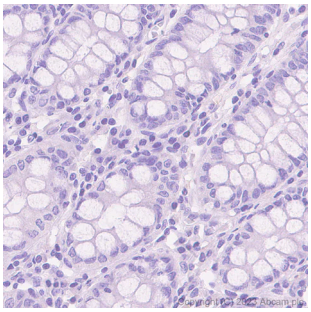
Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labeling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/100 (4.91 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). No staining on mouse colon.The section was incubated with ab313801 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) - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

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

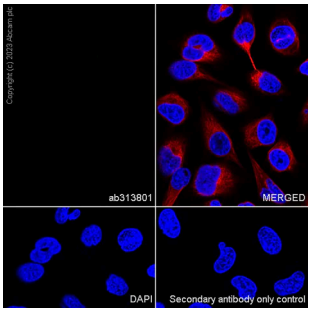
Immunohistochemical analysis of paraffin-embedded Rat colon tissue labeling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/100 (4.91 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). No staining on rat colon.The section was incubated with ab313801 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) - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

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

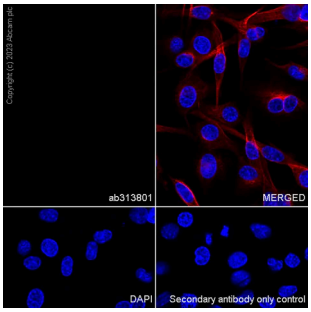
Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/100 (4.91 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). No staining on human colon.The section was incubated with ab313801 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



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

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

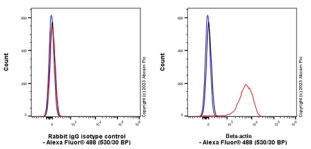
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa (human cervical adenocarcinoma epithelial cell) cells labelling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/50 (9.82 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2ug/ml dilution (Green). Confocal image showing negative staining in Hela cell line. Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8). ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2ug/ml dilution.



Immunocytochemistry/ Immunofluorescence - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Immunocytochemistry/ Immunofluorescence staining of C6 (rat glial tumor glial cell) using rabbit Anti- antibody

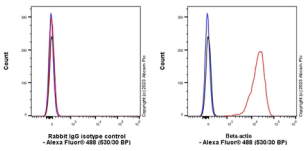
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized C6 (rat glial tumor glial cell) cells labelling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/50 (9.82 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2ug/ml dilution (Green). Confocal image showing negative staining in C6 cell line. Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8). ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2ug/ml dilution.



Flow Cytometry (Intracellular) - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Flow Cytometry (Intracellular) staining of Hela (human cervical adenocarcinoma epithelial cell) using rabbit Anti- antibody

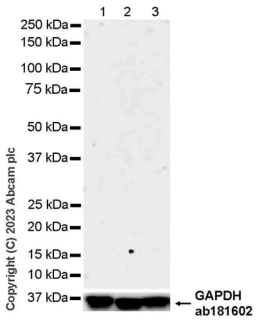
Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Hela (human cervical adenocarcinoma epithelial cell) cells labelling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/500 dilution (0.1 ug)/Red (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Flow Cytometry (Intracellular) staining of C6 (rat glial tumor glial cell) using rabbit Anti- antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized C6 (rat glial tumor glial cell) cells labelling Rabbit IgG, multiclonal [RM1060] - Isotype control with ab313801 at 1/500 dilution (0.1 ug)/Red (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Western blot - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Western blot staining using rabbit Anti- antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution. Exposure time: 180 seconds
Lane 1:
C6 (rat glial tumor glial cell) whole cell lysate at 20 µg

Lane 2:
RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 20 µg

Lane 3:
PC-12 (rat adrenal gland pheochromocytoma cell) whole cell lysate at 20 µg

Secondary

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

Exposure time: 180s



Western blot - Rabbit IgG, multiclonal [RM1060] - Isotype control (ab313801)

Western blot staining using rabbit Anti- antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution. Exposure time: 59 seconds
Lane 1:
HeLa (human cervical adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 2:
Jurkat (human T cell leukemia T lymphocyte from peripheral blood) whole cell lysate at 20 µg

Lane 3:
293T (human embryonic kidney epithelial cell) whole cell lysate at 20 µg

Lane 4:
NIH/3T3 (mouse embryonic fibroblast) whole cell lysate at 20 µg

Secondary

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

Exposure time: 59s

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