abcam

ab203828

Anti-MAGP2 antibody [EPR17581]

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	EPR17581
Purification technique	Affinity purification Protein A
Concentration	3.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/200
Notes	-

Expected

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

WB

Tested

Species	Rat
Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000
Notes	-

ICC/IF

Not recommended

Species	Rat, Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/750
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.

Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/2000
Notes	-

Expected

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

Target data

See full target information MFAP5

Function	May play a role in hematopoiesis. In the cardiovascular system, could regulate growth factors or participate in cell signaling in maintaining large vessel integrity (By similarity). Component of the elastin-associated microfibrils (PubMed:8557636).

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

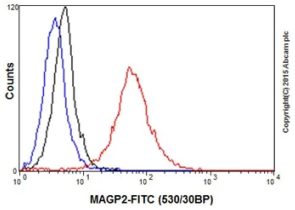
We do not recommend this combination. It is not covered by our product promise.

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.

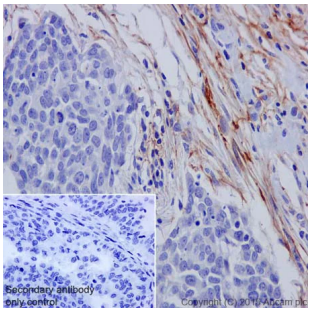
8 product images



Flow Cytometry (Intracellular) - Anti-MAGP2 antibody [EPR17581] (ab203828)

MAGP2 Flow Cytometry (Intracellular) staining using rabbit Anti-MAGP2 antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling MAGP2 with ab203828 at 1/750 dilution (red) compared with a rabbit monoclonal IgG isotype control (ab172730; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/500 dilution was used as the secondary antibody.

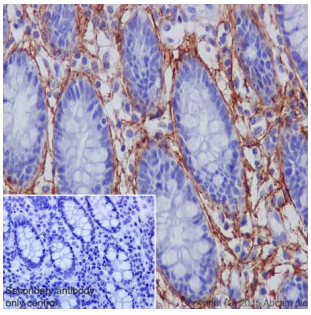


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAGP2 antibody [EPR17581] (ab203828)

MAGP2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MAGP2 antibody

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labeling MAGP2 with ab203828 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Cytoplasmic staining on Human breast carcinoma tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



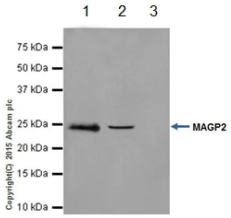
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAGP2 antibody [EPR17581] (ab203828)

MAGP2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MAGP2 antibody

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling MAGP2 with ab203828 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Cytoplasmic staining on Human colon tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunoprecipitation - Anti-MAGP2 antibody [EPR17581] (ab203828)



MAGP2 was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with ab203828 at 1/200 dilution. Western blot was performed from the immunoprecipitate using ab203828 at 1/5000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500.
Lane 1: HeLa whole cell lysate 10ug (Input). Lane 2: ab203828 IP in HeLa whole cell lysate. Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab203828 in HeLa whole cell lysate.

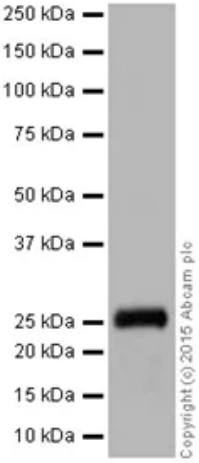
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 seconds.

All lanes:
Immunoprecipitation - Anti-MAGP2 antibody [EPR17581] (ab203828)

Predicted band size: 20 kDa

Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828)



MAGP2 Western blot staining of Human bladder lysate using rabbit Anti-MAGP2 antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828) at 1/10000 dilution

All lanes:
Human bladder lysate at 20 µg

Secondary

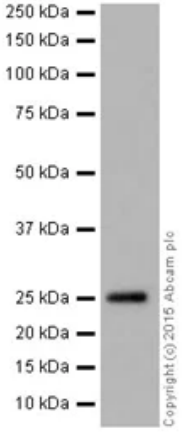
All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 20 kDa

Observed band size: 25 kDa

Exposure time: 15s

Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828)



Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828) at 1/5000 dilution

All lanes:
HeLa (Human epithelial cells from cervix adenocarcinoma) cell lysate at 10 µg

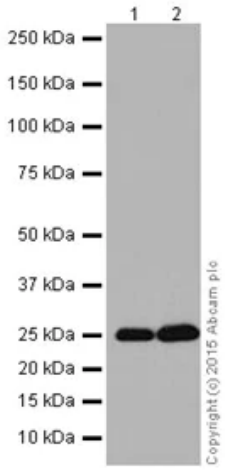
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 20 kDa

Observed band size: 25 kDa

Exposure time: 15s



Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828)

MAGP2 Western blot staining using rabbit Anti-MAGP2 antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828) at 1/1000 dilution

Lane 1:
Rat kidney lysate at 10 µg

Lane 2:
Rat spleen lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 20 kDa

Observed band size: 25 kDa

Exposure time: 3min

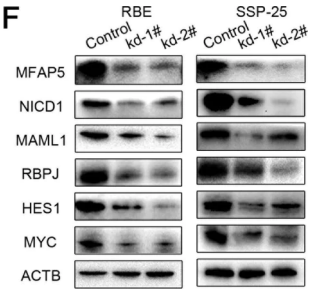


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Western blot - Anti-MAGP2 antibody [EPR17581] (ab203828)

MAGP2 Western blot staining using rabbit Anti-MAGP2 antibody

MAGP2 western blot using anti-MAGP2 antibody [EPR17581] ab203828. Publication image and figure legend from Li, J. H., Zhu, X. X., et al., 2019, J Exp Clin Cancer Res, PubMed 31775892.

ab203828 was used in this publication in western blot. This may not be the same as the application(s) guaranteed by Abcam. For a full list of applications guaranteed by Abcam for ab203828 please see the product overview.

MFAP5 positively regulated Notch1 pathway transcription. a Heat map showed results of RNA-seq of SSP-25 and RBE transformed sh-control, sh-MFAP5–1# and sh-MFAP5–2#. b, c GSEA results showed down-regulation of Notch pathway in cells transfected sh-MFAP5 compared with sh-Control. d, e RT-PCR results showed the mRNA level of genes in NOTCH1 pathway after transfected sh-MFAP5 in ICC cell lines. f, g Western blot analysis of Notch1 pathway target genes in sh-MFAP5 and sh-Control cells (f) and co-culture with recMFAP5 and control cells (G, each "+" represented 50µg/ml recMFAP5). h, i Co-IP results showed that MFAP5 could bind directly with NOTCH1. *p < 0.05,**p < 0.01,***p<0.001

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