abcam

ab249257

Anti-MAS1L antibody [EPR11440(B)] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR11440(B)
Purification technique	Affinity purification

Reactivity data

ICC/IF

Not recommended

Species	Human
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information MAS1L

Storage

Shipped at conditions	Blue Ice

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab249257 is the carrier-free version of ab156018.

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	MAS1L sometimes referred to as MAS1-like is a protein encoded by the MAS1L gene. Its mass is approximately 37 kDa. This protein is expressed in various tissues including the central nervous system and certain peripheral tissues. MAS1L is an integral membrane protein and it localizes on the cell surface which indicates its potential involvement in signaling processes. As a G protein-coupled receptor it plays a role in transmitting signals across the cell membrane.

Biological function summary	MAS1L functions within the context of signal transduction. It engages in biological processes by potentially forming complexes with other proteins or molecules that facilitate signaling activities. This protein's ability to interact with G proteins suggests its involvement in activating downstream cellular responses influencing various cellular functions such as growth differentiation or communication between cells. The MAS1L's role in signaling implicates it in maintaining normal cellular activity and responding to environmental cues.
Pathways	MAS1L engages in signaling cascades potentially linked to the renin-angiotensin system and other related pathways that influence cardiovascular functions. In the renin-angiotensin system similar receptors like the MAS1 receptor participate suggesting that MAS1L could share functional similarities. The renin-angiotensin pathway plays an important role in regulating blood pressure and fluid balance and any interaction involving MAS1L might contribute to these physiological processes.
Associated diseases and disorders	Abnormal expression or mutation of MAS1L could relate to cardiovascular diseases and neurological disorders. Dysfunctional signaling through MAS1L might contribute to the pathology of hypertension a condition in which the MAS1 receptor also plays a significant role highlighting potential overlap in their functional pathways. Furthermore disruptions in MAS1L activity might affect neurological functions linking it to conditions that compromise nervous system integrity.

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

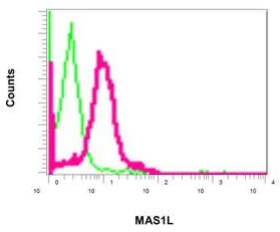
We do not recommend this combination. It is not covered by our product promise.

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.

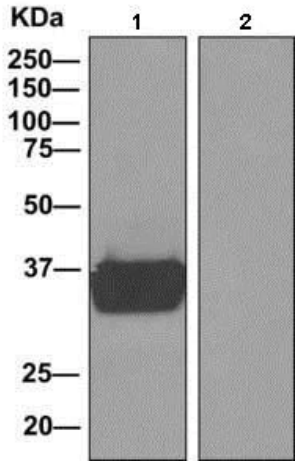
3 product images



Flow Cytometry (Intracellular) - Anti-MAS1L antibody [EPR11440(B)] - BSA and Azide free (ab249257)

MAS1L Flow Cytometry (Intracellular) staining using rabbit Anti-MAS1L antibody

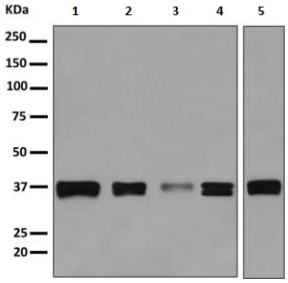
This data was developed using ab156018, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized 293T cells labeling MAS1L with ab156018 at 1/10 dilution (red) compared to a rabbit IgG negative control (green).



Immunoprecipitation - Anti-MAS1L antibody [EPR11440(B)] - BSA and Azide free (ab249257)

This data was developed using ab156018, the same antibody clone in a different buffer formulation.Immunoprecipitation analysis of HepG2 cell lysates using ab156018 at 1/100 dilution (Lane 1) or rabbit IgG (Lane 2).
All lanes:
Immunoprecipitation - Anti-MAS1L antibody [EPR11440(B)] (ab156018)

Predicted band size: 42 kDa



Western blot - Anti-MAS1L antibody [EPR11440(B)] - BSA and Azide free (ab249257)

MAS1L Western blot staining using rabbit Anti-MAS1L antibody

This data was developed using ab156018, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-MAS1L antibody [EPR11440(B)] (ab156018) at 1/10000 dilution

Lane 1:
HepG2 cell lysate at 10 µg

Lane 2:
293T (Human embryonic kidney epithelial cell) cell lysate at 10 µg

Lane 3:
SH-SY5Y cell lysate at 10 µg

Lane 4:
Y79 (Human retinoblastoma cell line) cell lysate at 10 µg

Lane 5:
HeLa cell lysate at 10 µg

Secondary

All lanes:

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 42 kDa

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