abcam

ab180131

Anti-PLP2 antibody [EPR14238(B)]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	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	EPR14238(B)
Purification technique	Affinity purification Protein A
Concentration	0.45 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

WB

Tested

Species	Human
Dilution info	1/2000 - 1/5000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/250
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/80
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target data

See full target information PLP2

Function	May play a role in cell differentiation in the intestinal epithelium.

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

Species reactivity
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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

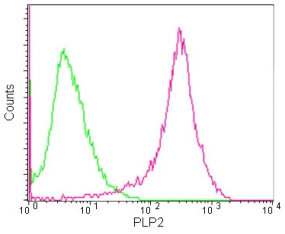
We do not recommend this combination. It is not covered by our product promise.

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.

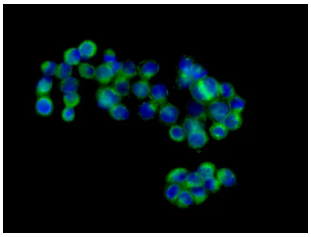
4 product images



Flow Cytometry (Intracellular) - Anti-PLP2 antibody [EPR14238(B)] (ab180131)

PLP2 Flow Cytometry (Intracellular) staining using rabbit Anti-PLP2 antibody

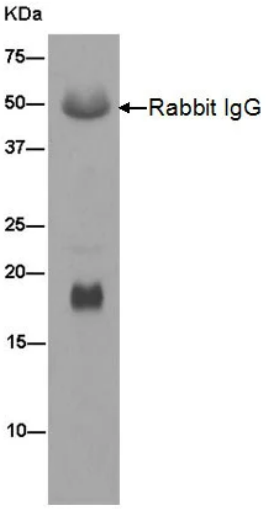
Intracellular Flow Cytometry analysis ofU87-MG cells labeling PLP2 using ab180131 at 1/80 dilution. A Goat anti rabbit IgG (FITC) at 1/75 dilution was used as secondary antibody. Cells were fixed with 2% paraformaldehyde. Isotype control: Rabbit IgG.



Immunocytochemistry/ Immunofluorescence - Anti-PLP2 antibody [EPR14238(B)] (ab180131)

PLP2 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-PLP2 antibody

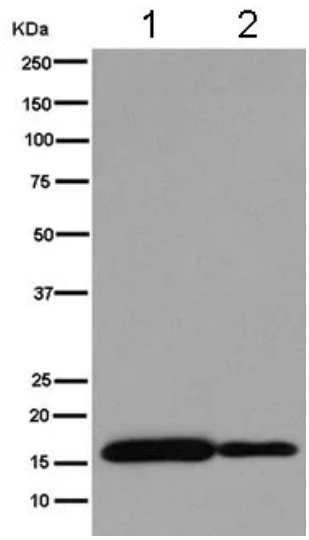
Immunofluorescence analysis of SW480 cells labeling PLP2 using ab180131 at 1/250 dilution. A Goat anti rabbit IgG (Dylight 488) at 1/250 dilution was used as secondary antibody. Cells were fixed with 4% paraformaldehyde. Counterstain: DAPI.



Immunoprecipitation - Anti-PLP2 antibody [EPR14238(B)] (ab180131)

Immunoprecipitation analysis of Human colon cancer lysate labeling PLP2 using ab180131 at 1/30 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 was used as secondary antibody.
All lanes:
Immunoprecipitation - Anti-PLP2 antibody [EPR14238(B)] (ab180131)

Predicted band size: 13 kDa, 134 kDa, 17 kDa



Western blot - Anti-PLP2 antibody [EPR14238(B)] (ab180131)

PLP2 Western blot staining using rabbit Anti-PLP2 antibody

All lanes:
Western blot - Anti-PLP2 antibody [EPR14238(B)] (ab180131) at 1/5000 dilution

Lane 1:
Human colon cancer tissue lysate at 20 µg

Lane 2:
Human cerebellum tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab136636) at 1/500 dilution

Predicted band size: 17 kDa

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