abcam

ab181252

Anti-D4 GDI antibody [EPR14212(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	EPR14212(B)
Purification technique	Affinity purification Protein A
Concentration	0.377 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/50 - 1/100
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/70
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/250 - 1/500
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information ARHGDIB

Function	Regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them (PubMed:7512369, PubMed:8356058). Regulates reorganization of the actin cytoskeleton mediated by Rho family members (PubMed:8262133).

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

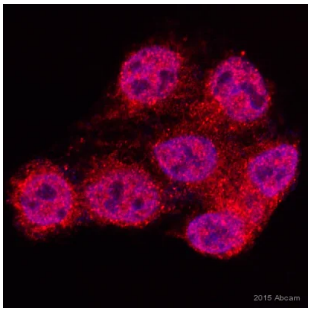
We do not recommend this combination. It is not covered by our product promise.

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.

6 product images

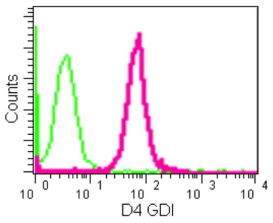


Immunocytochemistry/ Immunofluorescence - Anti-D4 GDI antibody [EPR14212(B)] (ab181252)

D4 GDI Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-D4 GDI antibody

Immunocytochemical immunoflurescence analysis of formaldehyde-fixed HEPG-2 cells, labelling D4 GDI with ab181252 at a dilution of 1/50 incubated for 3 hours at 22°C in 1% donkey serum in 0.1% PBST. Permeablization was with 0.2% Triton X-100. Blocking was with 1% donkey serum in 0.1% PBST for 1 hour at 22°C. Secondary used was a Donkey anti-rabbit polyclonal Alexa Fluor® 594 conjugate used at 1/200.

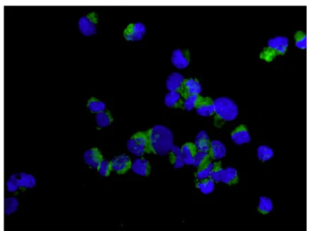
Image is courtesy of a customer review submitted by Dr Armen Petrosyan.



Flow Cytometry (Intracellular) - Anti-D4 GDI antibody [EPR14212(B)] (ab181252)

D4 GDI Flow Cytometry (Intracellular) staining using rabbit Anti-D4 GDI antibody

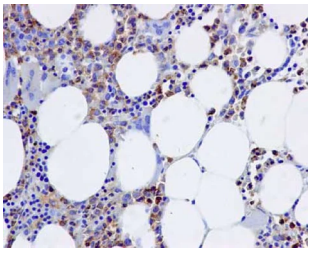
Intracellular flow cytometrical analysis of HL60 cells labeling D4 GDI with ab181252 at 1/70 (red) compared to a negative control antibody (green).



Immunocytochemistry/ Immunofluorescence - Anti-D4 GDI antibody [EPR14212(B)] (ab181252)

D4 GDI Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-D4 GDI antibody

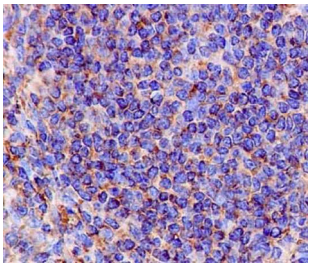
Immunofluorescent analysis of HL60 cells labeling D4 GDI with ab181252 at 1/100 (green) with Goat anti rabbit IgG (Alexa Fluor®488) at 1/200 and DAPI staining (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-D4 GDI antibody [EPR14212(B)] (ab181252)

D4 GDI Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-D4 GDI antibody

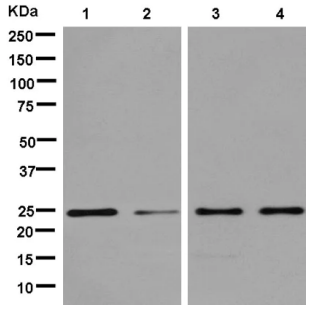
Immunohistochemical analysis of paraffin embedded Human bone marrow tissue labeling D4 GDI with ab181252 at 1/500.
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-D4 GDI antibody [EPR14212(B)] (ab181252)

D4 GDI Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-D4 GDI antibody

Immunohistochemical analysis of paraffin embedded Human tonsil tissue labeling D4 GDI with ab181252 at 1/500.
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-D4 GDI antibody [EPR14212(B)] (ab181252)

All lanes:
Western blot - Anti-D4 GDI antibody [EPR14212(B)] (ab181252) at 1/10000 dilution

Lane 1:
Jurkat lysate at 20 µg

Lane 2:
U937 lysate at 20 µg

Lane 3:
HL60 lysate at 20 µg

Lane 4:
Human spleen lysate at 20 µg

Secondary

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

Predicted band size: 22 kDa

Observed band size: 23 kDa

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