abcam

ab171745

Anti-FRMD6/Willin antibody [EPR12261]

Recombinant | RabMAb

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	EPR12261
Purification technique	Affinity purification Protein A
Concentration	1.141 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000 - 1/5000
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/100 - 1/250
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100 - 1/500
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information FRMD6

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.

Supplementary info

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

Activity summary	FRMD6 also known as Willin is a protein that functions by acting as a scaffold within cells influencing cell shape and motility. This protein has an approximate mass of 78 kDa. FRMD6 is expressed in multiple tissues including the brain with noticeable presence in neuronal cells. It plays a role in the organization of actin cytoskeleton impacting cell adhesion and polarity.
Biological function summary	FRMD6 influences signaling pathways that regulate growth and differentiation. It contributes as part of a regulatory complex that communicates signals from the extracellular matrix to intracellular pathways. The protein is not known to be part of a stable complex but it interacts dynamically with several cytoskeletal elements during cell signaling events. It assists in transducing signals necessary for maintaining cellular architecture and function.
Pathways	FRMD6 is significantly involved in the Hippo signaling pathway which regulates cell proliferation and apoptosis. This pathway controls tissue growth and cancer development through interaction with proteins like YAP and TAZ. FRMD6 operates upstream within this pathway contributing to the suppression of cell growth by modulating these transcriptional coactivators.
Associated diseases and disorders	FRMD6 associates with diverse pathological conditions. In cancer aberrant expression or function of FRMD6 interrupts normal Hippo pathway signaling potentially promoting tumorigenesis. Additionally studies have linked FRMD6 with neurological disorders reflecting its expression in neuronal tissues. It connects with proteins like LATS1 and MOB1A in these disorders influencing their roles within the affected pathways.

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

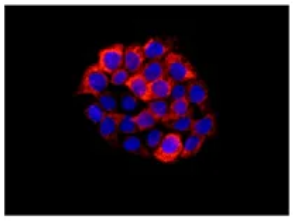
We do not recommend this combination. It is not covered by our product promise.

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.

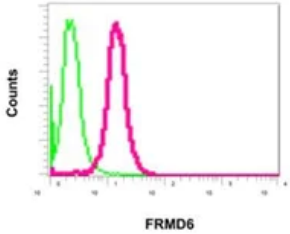
3 product images



Immunocytochemistry/ Immunofluorescence - Anti-FRMD6/Willin antibody [EPR12261] (ab171745)

FRMD6/Willin Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-FRMD6/Willin antibody

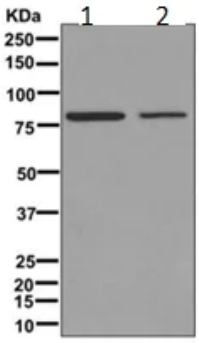
Immunofluorescence analysis of A431 cells labeling FRMD6/Willin using ab171745 at 1/100 dilution.



Flow Cytometry (Intracellular) - Anti-FRMD6/Willin antibody [EPR12261] (ab171745)

FRMD6/Willin Flow Cytometry (Intracellular) staining using rabbit Anti-FRMD6/Willin antibody

Intracellular flow cytometric analysis of permeabilized A431 cells labeling FRMD6/Willinusing ab171745 (red) at 1/100 dilution or a rabbit IgG (negative) (green).



Western blot - Anti-FRMD6/Willin antibody [EPR12261] (ab171745)

FRMD6/Willin Western blot staining using rabbit Anti-FRMD6/Willin antibody

All lanes:
Western blot - Anti-FRMD6/Willin antibody [EPR12261] (ab171745) at 1/1000 dilution

Lane 1:
Human fetal liver lysate at 10 µg

Lane 2:
A431 cell lysate at 10 µg

Predicted band size: 72 kDa

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