abcam

ab138499

Anti-ZNF575 antibody [EPR9027]

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	EPR9027
Purification technique	Affinity purification Protein A
Dissociation constant	1.35 x 10^{-11} M
Concentration	0.138 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	-

IHC-P

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/10 - 1/100
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 ZNF575

Function	May be involved in transcriptional regulation.

Storage

Shipped at conditions	Conditional Ambient
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	The ZNF575 protein also known as Zinc Finger Protein 575 weighs approximately 65 kDa. It contains zinc finger motifs that facilitate DNA binding. These motifs are involved in the regulation of gene transcription. Researchers have detected ZNF575 expression mainly in the brain and reproductive tissues indicating its function may concentrate in these regions.

Biological function summary	ZNF575 participates in the regulation of gene expression. It acts as a transcription factor directly influencing the activity of various genes. Although not consistently reported as being part of large molecular complexes ZNF575 can interact with other transcription factors and cofactors. This interaction suggests a role in modulating developmental and cell differentiation processes.
Pathways	ZNF575 interacts with key pathways like the Wnt signaling and p53 pathway. The Wnt signaling pathway controls critical aspects of cell fate including cellular migration and organogenesis. Its role in the p53 pathway links ZNF575 to the regulation of cell cycle and apoptosis through associations with other proteins like beta-catenin and various p53-regulated genes.
Associated diseases and disorders	The presence of ZNF575 has implications for neurodegenerative diseases and certain cancers. Misregulation of ZNF575 can influence neuronal function potentially contributing to conditions like Alzheimer's disease. In cancer altered expression of ZNF575 can be associated with tumorigenesis through its interaction with the p53 protein affecting cell growth and survival.

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

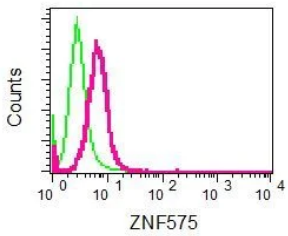
We do not recommend this combination. It is not covered by our product promise.

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.

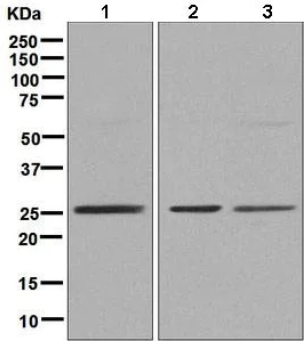
3 product images



Flow Cytometry (Intracellular) - Anti-ZNF575 antibody [EPR9027] (ab138499)

ZNF575 Flow Cytometry (Intracellular) staining using rabbit Anti-ZNF575 antibody

Intracellular flow cytometrical analysis of permeabilized HeLa cells with ab138499 antibody at a dilution of 1/10 (red) or a rabbit IgG (negative) (green).



Western blot - Anti-ZNF575 antibody [EPR9027] (ab138499)

ZNF575 Western blot staining using rabbit Anti-ZNF575 antibody

All lanes:
Western blot - Anti-ZNF575 antibody [EPR9027] (ab138499) at 1/1000 dilution

Lane 1:
Jurkat cell lysate at 10 µg

Lane 2:
MCF7 cell lysate at 10 µg

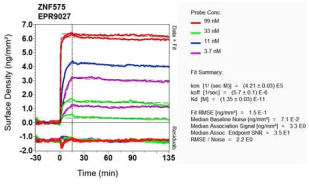
Lane 3:
HeLa cell lysate at 10 µg

Secondary

All lanes:
HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 27 kDa

Observed band size: 27 kDa



OI-RD Scanning - Anti-ZNF575 antibody [EPR9027] (ab138499)

We have systematically measured KD (the equilibrium dissociation constant between the antibody and its antigen), of more than 840 recombinant antibodies to assess not only their individual KD values but also to see the average affinity of antibody. Based on the comparison with published literature values for mouse monoclonal antibodies, Recombinant antibodies appear to be on average 1-2 order of magnitude higher affinity.

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