abcam

ab157459

Anti-ZNF365 antibody [EPR10216]

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	EPR10216
Purification technique	Affinity purification Protein A
Concentration	0.21 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

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

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

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

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	1/10 - 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 ZNF365

Function	May play a role in uric acid excretion.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

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 zinc finger protein 365 (ZNF365) also known as ZBRK1 is a transcription factor weighing approximately 107 kDa. This protein plays a mechanical role by binding to specific DNA sequences regulating the transcription of target genes. ZNF365 is expressed in various tissues including the brain heart and skeletal muscle. Its expression pattern suggests it may have versatile functions in different physiological contexts.
Biological function summary	ZNF365 acts as a critical regulatory component in maintaining genomic stability. It associates with the BRCA1 complex which is essential for repairing DNA double-strand breaks. By interacting with this complex ZNF365 participates in controlling cell cycle checkpoints ensuring accurate DNA replication and division. This process helps to prevent the accumulation of genomic abnormalities which could lead to diseases.
Pathways	This protein influences the DNA damage response and cell cycle regulation pathways. ZNF365 works in conjunction with protein partners like BRCA1 and RAD50 facilitating efficient repair of damaged DNA. Its involvement in these pathways ensures cells can respond to genetic insults timely and effectively safeguarding genetic information and controlling cellular proliferation rates.
Associated diseases and disorders	ZNF365 has a notable connection with cancer risk particularly breast cancer. Alterations in its function or expression can disrupt genome stability contributing to tumor genesis and progression. ZNF365 also interacts with p53 a tumor suppressor protein. Defects in these interactions may further compromise DNA repair processes highlighting its significance in cancer biology.

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.

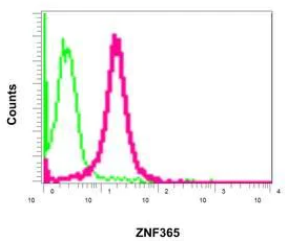
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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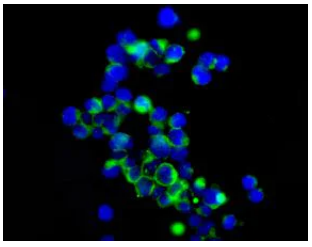
4 product images



Flow Cytometry (Intracellular) - Anti-ZNF365 antibody [EPR10216] (ab157459)

ZNF365 Flow Cytometry (Intracellular) staining using rabbit Anti-ZNF365 antibody

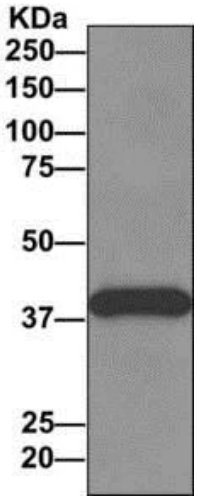
Intracellular Intracellular Flow Cytometic analysis of permeabilized Jurkat cells labeling ZNF365 with ab157459 at 1/10 dilution (red) or a rabbit IgG negative (green).



Immunocytochemistry/ Immunofluorescence - Anti-ZNF365 antibody [EPR10216] (ab157459)

ZNF365 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-ZNF365 antibody

Immunofluorescent analysis of Jurkat cells labeling ZNF365 with ab157459 at 1/50 dilution.

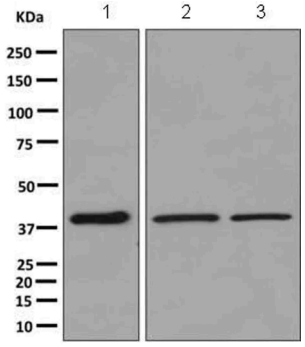


Immunoprecipitation - Anti-ZNF365 antibody [EPR10216] (ab157459)

Detection of ZNF365 by Western Blot of Immunprecipitate. Jurkat cell lysate immunoprecipitated using ab157459 at 1/10 dilution.
All lanes:
Immunoprecipitation - Anti-ZNF365 antibody [EPR10216] (ab157459) at 1/1000 dilution

All lanes:
Immunoprecipitation pellet from Jurkat cell lysate at 10 µg

Predicted band size: 24 kDa



Western blot - Anti-ZNF365 antibody [EPR10216] (ab157459)

All lanes:
Western blot - Anti-ZNF365 antibody [EPR10216] (ab157459) at 1/1000 dilution

Lane 1:
Human fetal kidney lysate at 10 µg

Lane 2:
Jurkat cell lysate at 10 µg

Lane 3:
HepG2 cell lysate at 10 µg

Secondary

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

Predicted band size: 24 kDa

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