abcam

ab249878

Anti-ZNF160 antibody [EPR12523] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR12523
Purification technique	Affinity purification

Reactivity data

IP

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
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	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information ZNF160

Function	May be involved in transcriptional regulation.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab249878 is the carrier-free version of ab175227.

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

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

Activity summary	ZNF160 also known as Zinc Finger Protein 160 is a protein encoded by the ZNF160 gene. It functions as a transcription factor primarily involved in binding to specific DNA sequences to regulate the transcription of genetic information from DNA to mRNA. The molecular mass of ZNF160 is approximately 90 kDa. This protein is predominantly expressed in the nucleus of cells with high expression levels noted in hematopoietic tissues including bone marrow and lymphoid tissues.
Biological function summary	ZNF160 plays an important role in regulating gene expression associated with cellular growth and differentiation. It forms part of multi-protein complexes that exert control over the transcriptional machinery. By modulating the transcription of various genes ZNF160 contributes to the maintenance of normal cellular processes. Its regulatory activities are important in ensuring that cell division and development proceed correctly and it may act as a suppressor or activator depending on the cellular context.
Pathways	ZNF160 engages in pivotal roles within the Wnt signaling pathway and Notch signaling pathway. These pathways are integral to cell fate determination and embryonic development. In the Wnt signaling pathway associations with proteins like β-catenin enable ZNF160 to influence gene expression related to cell cycle progression. Interactions with the Notch signaling pathway involve collaboration with proteins such as Notch1 affecting differentiation processes in various cell types.
Associated diseases and disorders	ZNF160 has been implicated in certain cancers and developmental disorders. Its dysregulation can lead to aberrant cell proliferation contributing to cancerous growths. ZNF160 in conjunction with proteins associated with cancer progression such as p53 may influence tumor suppression or oncogenic pathways. In developmental disorders mutations or altered expression of ZNF160 lead to defects in cellular differentiation resulting in conditions like congenital malformations. The link between ZNF160 and these disorders highlights the significance of proper regulatory mechanisms in maintaining health.

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.

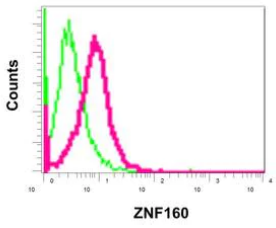
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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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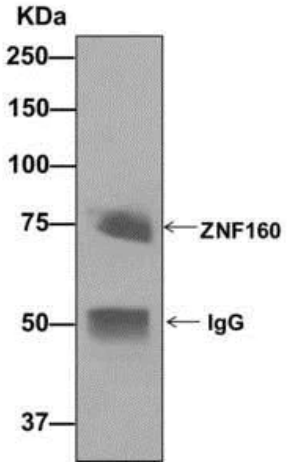
3 product images



Flow Cytometry (Intracellular) - Anti-ZNF160 antibody [EPR12523] - BSA and Azide free (ab249878)

ZNF160 Flow Cytometry (Intracellular) staining using rabbit Anti-ZNF160 antibody

This data was developed using ab175227, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized U87-MG cells labeling ZNF160 with ab175227 at 1/10 dilution (red) compared to a rabbit IgG negative control (green).

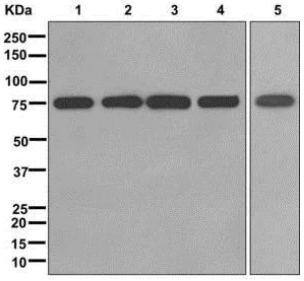


Immunoprecipitation - Anti-ZNF160 antibody [EPR12523] - BSA and Azide free (ab249878)

This data was developed using ab175227, the same antibody clone in a different buffer formulation.
Western blot analysis on immunoprecipitation pellet from SW480 cell lysate using ab175227.

All lanes:
Immunoprecipitation - Anti-ZNF160 antibody [EPR12523] (ab175227)

Predicted band size: 94 kDa



Western blot - Anti-ZNF160 antibody [EPR12523] - BSA and Azide free (ab249878)

ZNF160 Western blot staining using rabbit Anti-ZNF160 antibody

This data was developed using ab175227, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-ZNF160 antibody [EPR12523] (ab175227) at 1/1000 dilution

Lane 1:
SW480 cell lysate at 10 µg

Lane 2:
Caco-2 cell lysate at 10 µg

Lane 3:
HepG2 cell lysate at 10 µg

Lane 4:
U87-MG cell lysate at 10 µg

Lane 5:
Fetal liver cell lysate at 10 µg

Predicted band size: 94 kDa

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