abcam

ab234420

Anti-BAZ2B antibody [EPR20909-88]

Recombinant | RabMAb | 20ul selling size

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	EPR20909-88
Purification technique	Affinity purification Protein A
Specificity	Lysates need to be freshly made and used for Western blotting immediately to minimize protein degradation.
Concentration	0.631 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Mouse
Dilution info	1/2000

Notes	-

Not recommended

Species	Human, Rat
Dilution info	-
Notes	-

IP

Not recommended

Species	Mouse, Human, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Not recommended

Species	Human, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Human, Rat
Dilution info	-
Notes	-

IHC-Fr

Not recommended

Species	Mouse, Human, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/600
Notes	-

Not recommended

Species	Human, Rat
Dilution info	-
Notes	-

Target data

See full target information Baz2b

Function Regulatory subunit of the ATP-dependent BRF-1 and BRF-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair (By similarity). Both complexes regulate the spacing of nucleosomes along the chromatin and have the ability to slide mononucleosomes to the center of a DNA template (By similarity). The BRF-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the BRF-5 ISWI chromatin remodeling complex (By similarity). Chromatin reader protein, involved in positively modulating the rate of age-related behavioral deterioration (PubMed:32103178). Represses the expression of mitochondrial function-related genes, perhaps by occupying their promoter regions, working in concert with histone methyltransferase EHMT1 (PubMed:32103178).

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

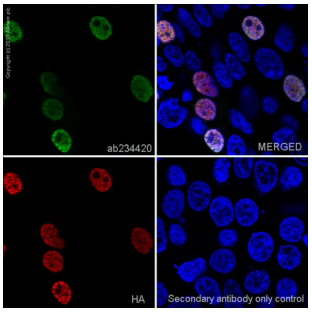
We do not recommend this combination. It is not covered by our product promise.

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.

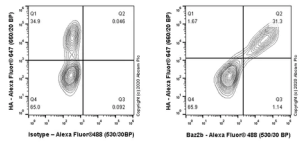
4 product images



Immunocytochemistry/ Immunofluorescence - Anti-BAZ2B antibody [EPR20909-88] (ab234420)

BAZ2B Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-BAZ2B antibody

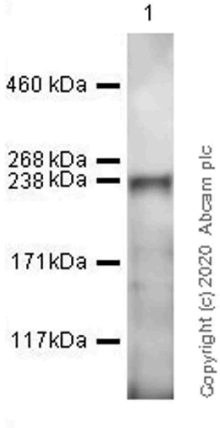
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HEK-293T cells labelling BAZ2B with ab234420 at 1/2000 dilution, followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 (2µg/ml) dilution (Green). Confocal image showing nuclear staining in HEK-293T cells transfected with 3HA-tagged Baz2b expression vector. Anti-HA.11 Epitope Tag mouse monoclonal antibody (Alexa Fluor® 647) was used to counterstain tubulin at 1/100 dilution (Red). The nuclear counterstain was DAPI (Blue).
Secondary antibody only control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 (2µg/ml) dilution.



Flow Cytometry (Intracellular) - Anti-BAZ2B antibody [EPR20909-88] (ab234420)

BAZ2B Flow Cytometry (Intracellular) staining using rabbit Anti-BAZ2B antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized HEK-293T (Human embryonic kidney epithelial cell) (transfected with HA-tagged Baz2b expression vector) cells labelling BAZ2B with ab234420 at 1/600 dilution (0.1µg) (Right) compared with a Rabbit monoclonal IgG (ab172730) isotype control (Left). A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.



Western blot - Anti-BAZ2B antibody [EPR20909-88] (ab234420)

BAZ2B Western blot staining of Mouse fetal brain using rabbit Anti-BAZ2B antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
Exposure time: 62 seconds.

All lanes:
Western blot - Anti-BAZ2B antibody [EPR20909-88] (ab234420) at 1/500 dilution

All lanes:
Mouse fetal brain at 10 µg

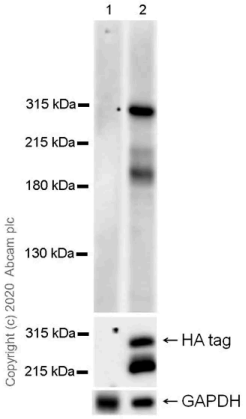
Secondary

All lanes:

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/20000 dilution

Predicted band size: 240 kDa

Observed band size: 234 kDa



Western blot - Anti-BAZ2B antibody [EPR20909-88] (ab234420)

Blocking and diluting buffer and concentration: 5% NFDM/TBST. Exposure time: 3 minutes.
All lanes:
Western blot - Anti-BAZ2B antibody [EPR20909-88] (ab234420) at 1/1000 dilution

Lane 1:
HEK-293T (human embryonic kidney) transfected with an empty vector (vector control), containing a HA-tag, whole cell lysate at 10 µg

Lane 2:
HEK-293T transfected with Baz2b expression vector containing a HA-tag, whole cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 240 kDa

Observed band size: 234 kDa

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