abcam

ab250487

Anti-PAIP1 antibody [EPR13259] - 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	EPR13259
Purification technique	Affinity purification Protein A
Concentration	1.03 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

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	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information Polyadenylate-binding protein-interacting protein 1

Function

Acts as a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs. Its stimulatory activity on translation is mediated via its action on PABPC1. Competes with PAIP2 for binding to PABPC1. Its association with EIF4A and PABPC1 may potentiate contacts between mRNA termini. May also be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. (Microbial infection) Upon interaction with SARS coronavirus SARS-CoV NSP3 protein, plays an important role in viral protein synthesis.

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

ab250487 is the carrier-free version of ab181359.

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.

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.

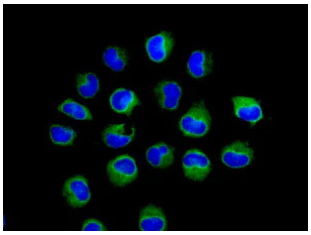
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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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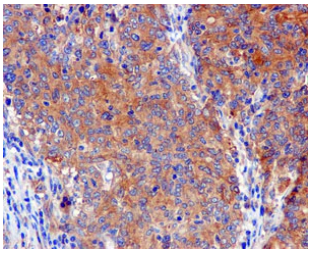
6 product images



Immunocytochemistry/ Immunofluorescence - Anti-PAIP1 antibody [EPR13259] - BSA and Azide free (ab250487)

PAIP1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-PAIP1 antibody

This data was developed using ab181359, the same antibody clone in a different buffer formulation.
Immunofluorescence analysis of HeLa cells labeling PAIP1 with ab181359 at 1/50 dilution (green). DAPI nuclear staining (blue).

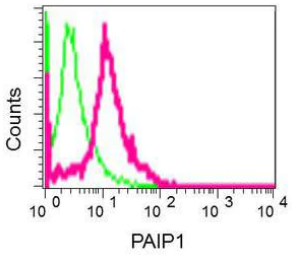


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAIP1 antibody [EPR13259] - BSA and Azide free (ab250487)

PAIP1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PAIP1 antibody

This data was developed using ab181359, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human gastric carcinoma tissue labeling PAIP1 with ab181359 at 1/50 dilution.

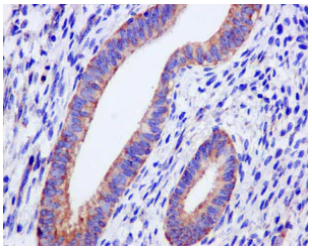
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-PAIP1 antibody [EPR13259] - BSA and Azide free (ab250487)

PAIP1 Flow Cytometry (Intracellular) staining using rabbit Anti-PAIP1 antibody

This data was developed using ab181359, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized 293 cells using ab181359 at 1/10 dilution (red) or a rabbit IgG (negative) (green).

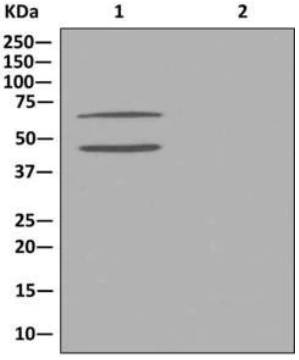


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAIP1 antibody [EPR13259] - BSA and Azide free (ab250487)

PAIP1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PAIP1 antibody

This data was developed using ab181359, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human uterus tissue labeling PAIP1 with ab181359 at 1/50 dilution.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

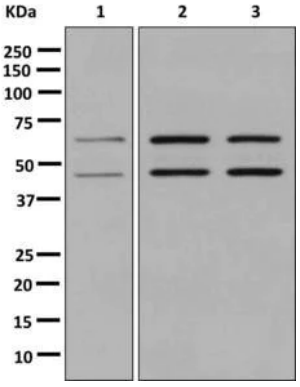


Immunoprecipitation - Anti-PAIP1 antibody [EPR13259] - BSA and Azide free (ab250487)

This data was developed using ab181359, the same antibody clone in a different buffer formulation.
Western blot analysis on immunoprecipitation pellet from (1) HeLa cell lysate or (2) 1XPBS (negative control) using ab181359 at 1/10 dilution, and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG

All lanes:
Immunoprecipitation - Anti-PAIP1 antibody [EPR13259] (ab181359)

Predicted band size: 54 kDa



Western blot - Anti-PAIP1 antibody [EPR13259] - BSA and Azide free (ab250487)

This data was developed using ab181359, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-PAIP1 antibody [EPR13259] (ab181359) at 1/1000 dilution

Lane 1:
HepG2 cell lysates at 10 µg

Lane 2:
HeLa cell lysates at 10 µg

Lane 3:
293T cell lysates at 10 µg

Predicted band size: 54 kDa

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