


Product datasheet

Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free ab249376

Recombinant RabMAb

10 Images

Overview

Product name	Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free
Description	Rabbit monoclonal [EPR11210] to CAPZA1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP, Flow Cyt (Intra) Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment within Human CAPZA1. The exact sequence is proprietary. Database link: P52907
General notes	<p>ab249376 is the carrier-free version of ab166892.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11210
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249376 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

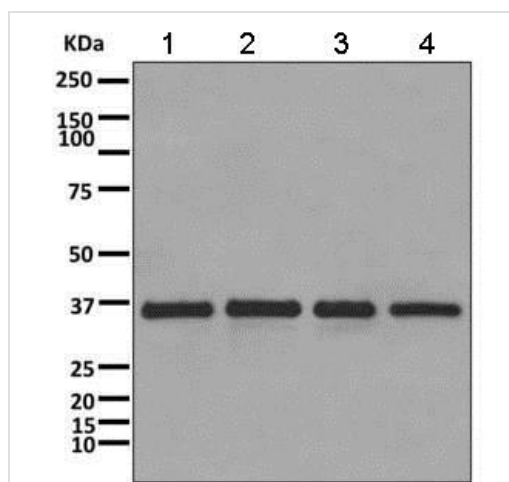
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 33 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.

Application notes Is unsuitable for ICC/IF.

Target

Function	F-actin-capping proteins bind in a Ca(2+)-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments.
Sequence similarities	Belongs to the F-actin-capping protein alpha subunit family.
Cellular localization	Cytoplasm > cytoskeleton.

Images



Western blot - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

All lanes : Anti-CAPZA1 antibody [EPR11210] ([ab166892](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : 293T cell lysate

Lane 4 : HepG2 cell lysate

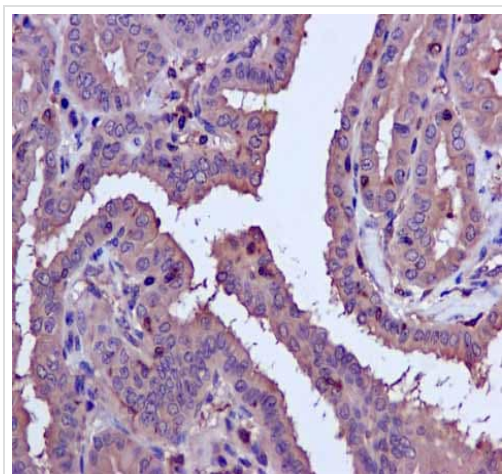
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 33 kDa

This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation.

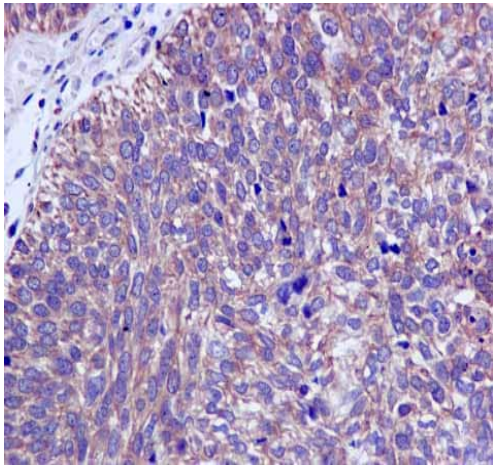


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation.

[ab166892](#) showing +ve staining in Human thyroid gland carcinoma.

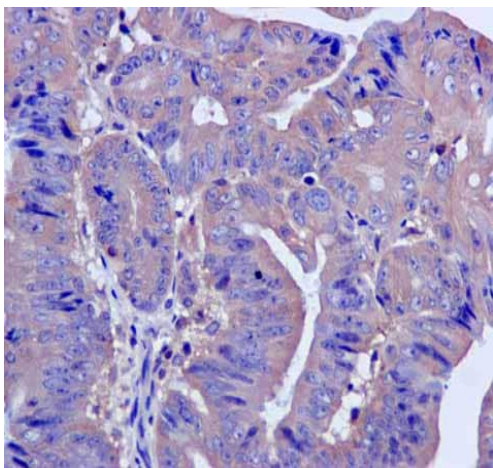
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation.

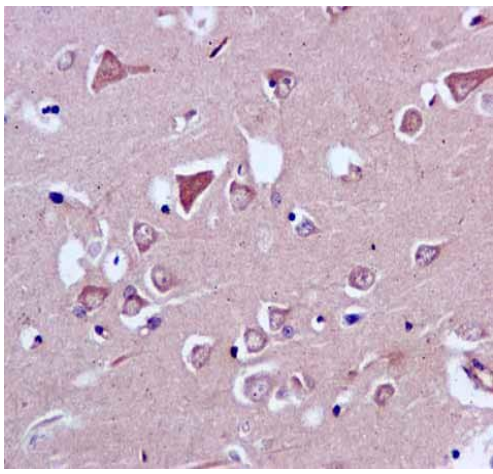
[ab166892](#) showing +ve staining in Human urinary bladder carcinoma. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

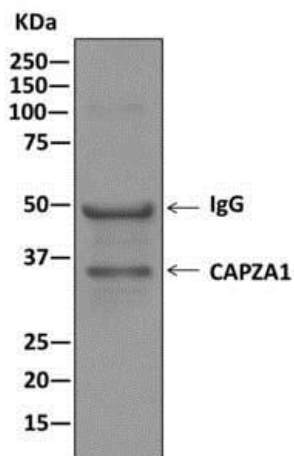
This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation.

[ab166892](#) showing +ve staining in Human colonic adenocarcinoma. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



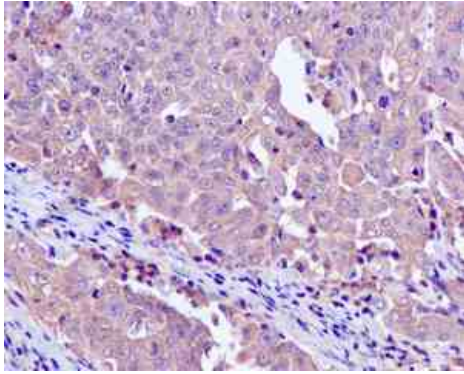
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody
[EPR11210] - BSA and Azide free (ab249376)

This data was developed using [**ab166892**](#), the same antibody clone in a different buffer formulation. [**ab166892**](#) showing +ve staining in Human normal brain. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



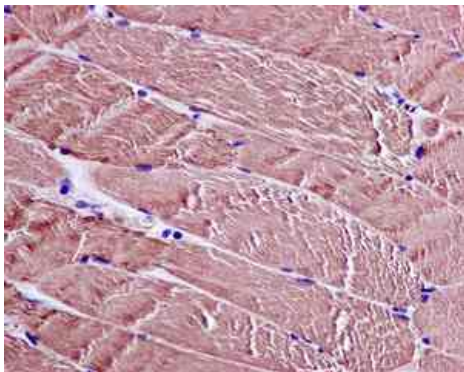
Immunoprecipitation - Anti-CAPZA1 antibody
[EPR11210] - BSA and Azide free (ab249376)

This data was developed using [**ab166892**](#), the same antibody clone in a different buffer formulation. [**ab166892**](#), at 1/1000 dilution, staining CAPZA1 in HepG2 cell lysate immunoprecipitated using [**ab166892**](#) at 1/10.



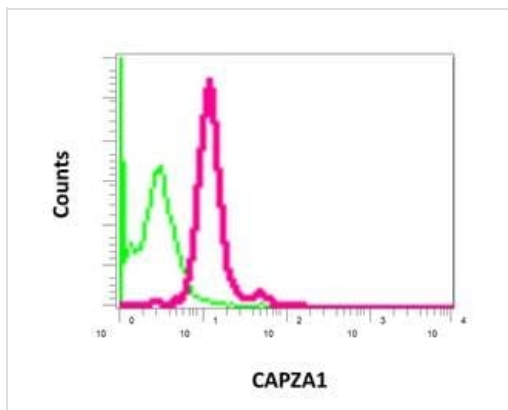
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human cervical carcinoma tissue labeling CAPZA1 with [ab166892](#) at 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human muscle tissue labeling CAPZA1 with [ab166892](#) at 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

This data was developed using [ab166892](#), the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized Jurkat cells using [ab166892](#) at a dilution of 1/10 (red) compared to a rabbit IgG (negative) (green).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-CAPZA1 antibody [EPR11210] - BSA and Azide free (ab249376)

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