


Product datasheet

Anti-CAPZA1 antibody [EPR11210] ab166892

Recombinant RabMAb

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Overview

Product name	Anti-CAPZA1 antibody [EPR11210]
Description	Rabbit monoclonal [EPR11210] to CAPZA1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, IP Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human CAPZA1.
Positive control	HeLa, Jurkat, 293T and HepG2 whole cell lysate (ab7900); Human cervical carcinoma and Human muscle tissues; Jurkat cells.
General notes	<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR11210

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab166892 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
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 33 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/10 - 1/100.

Application notes Is unsuitable for ICC/IF.

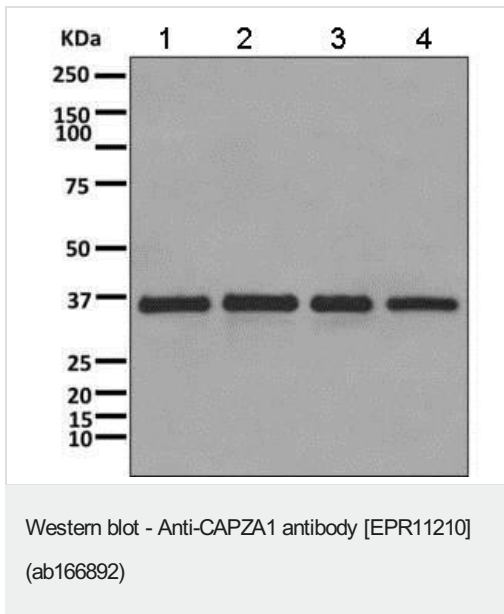
Target

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



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

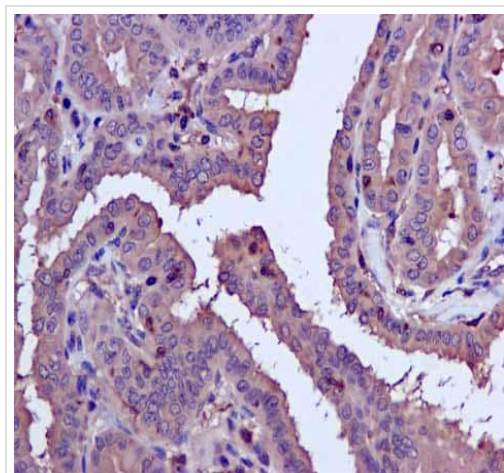
Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

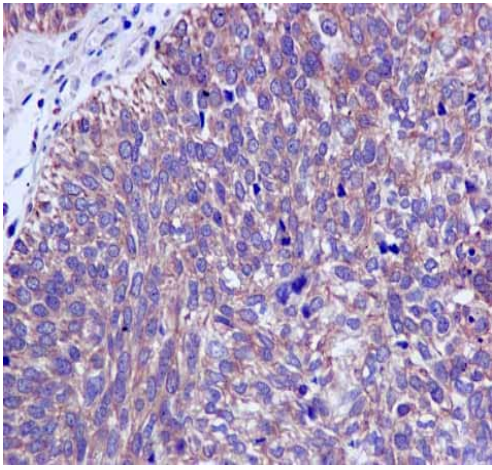
Predicted band size: 33 kDa



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.

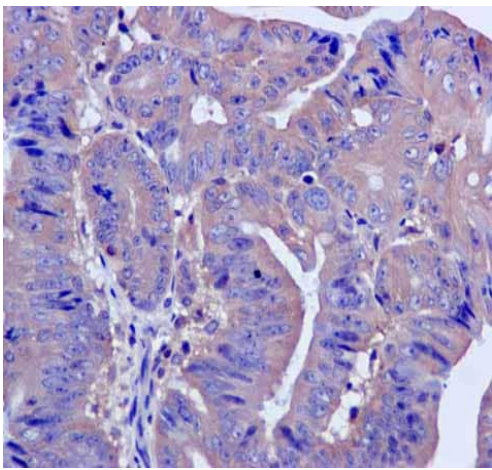
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] (ab166892)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody
[EPR11210] (ab166892)

ab166892 showing +ve staining in Human urinary bladder carcinoma.

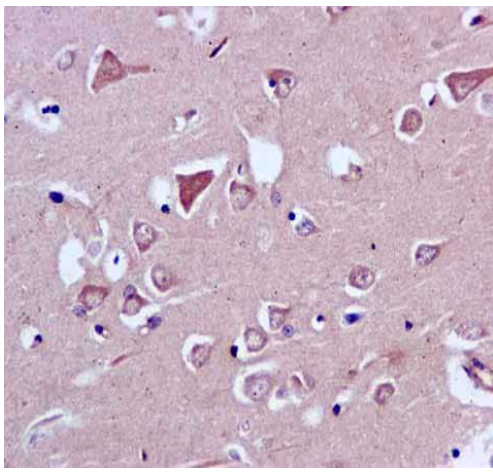
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody
[EPR11210] (ab166892)

ab166892 showing +ve staining in Human colonic adenocarcinoma.

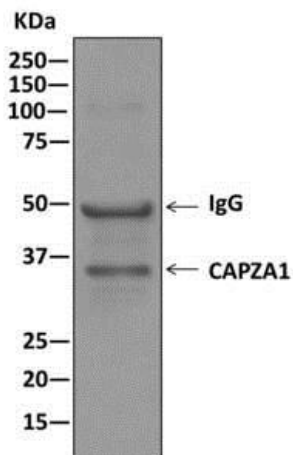
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody
[EPR11210] (ab166892)

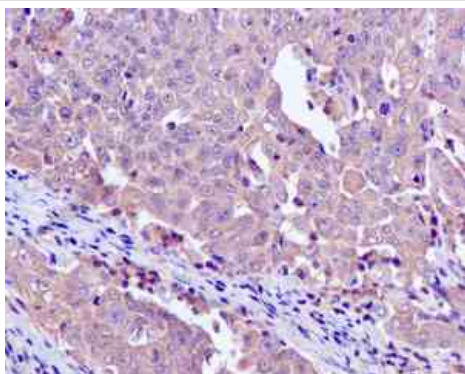
ab166892 showing +ve staining in Human normal brain.

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



Immunoprecipitation - Anti-CAPZA1 antibody
[EPR11210] (ab166892)

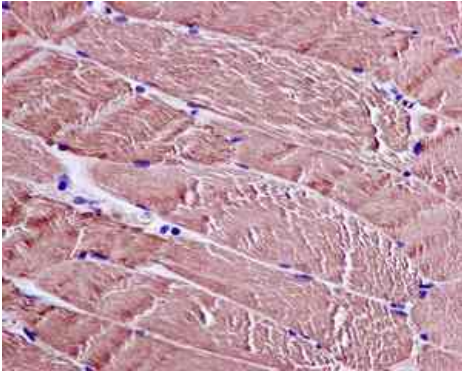
ab166892, at 1/1000 dilution, staining CAPZA1 in HepG2 cell lysate immunoprecipitated using ab166892 at 1/10.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody
[EPR11210] (ab166892)

Immunohistochemical analysis of paraffin embedded Human cervical carcinoma tissue labeling CAPZA1 with ab166892 at 1/100 dilution.

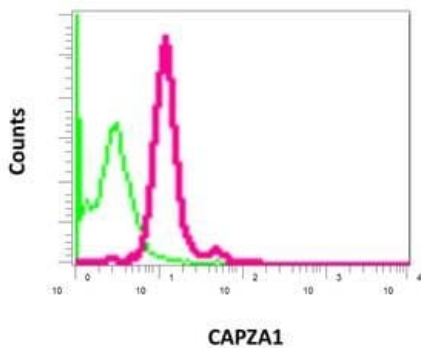
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPZA1 antibody [EPR11210] (ab166892)

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] (ab166892)

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] (ab166892)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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