

Product datasheet

Anti-CAPZA1 antibody [7C8] ab117919

2 Images

Overview

Product name	Anti-CAPZA1 antibody [7C8]
Description	Mouse monoclonal [7C8] to CAPZA1
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat, Dog, Human, Monkey
Immunogen	Recombinant full length Human CAPZA1 produced in HEK293T cells (NP_006126).
Positive control	HEK293T cells transfected with pCMV6-ENTRY CAPZA1 cDNA; HepG2, HeLa, HT29, A549, COS7, Jurkat, MDCK, PC12 and MCF7 cell lysates.
General notes	Dilute in PBS (pH7.3) before use.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
Purity	Protein G purified
Purification notes	ab117919 is purified from Mouse ascites fluids by affinity chromatography.
Clonality	Monoclonal
Clone number	7C8
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab117919** 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		1/200 - 1/500. Predicted molecular weight: 33 kDa.

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.

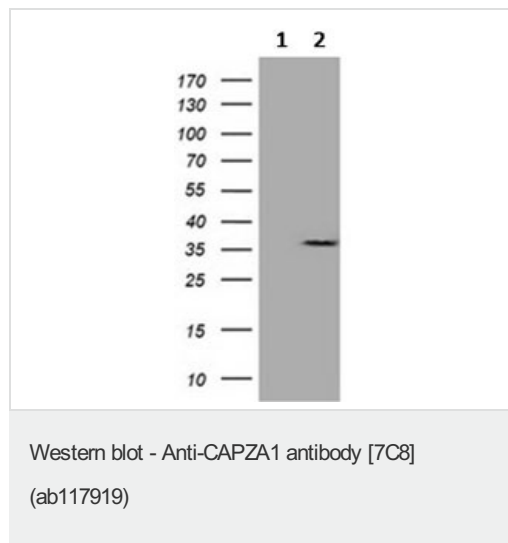
Sequence similarities

Belongs to the F-actin-capping protein alpha subunit family.

Cellular localization

Cytoplasm > cytoskeleton.

Images



All lanes : Anti-CAPZA1 antibody [7C8] (ab117919) at 1/200 dilution

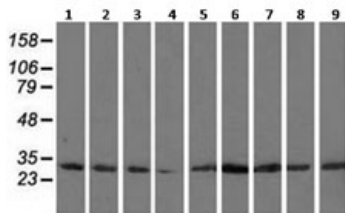
Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control

Lane 2 : HEK293T cells transfected with pCMV6-ENTRY CAPZA1 cDNA

Lysates/proteins at 5 µg per lane.

Predicted band size : 33 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC200668)



Western blot - Anti-CAPZA1 antibody [7C8]
(ab117919)

All lanes : Anti-CAPZA1 antibody [7C8]

(ab117919) at 1/200 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : HT29 cell lysate

Lane 4 : A549 cell lysate

Lane 5 : COS7 cell lysate

Lane 6 : Jurkat cell lysate

Lane 7 : MDCK cell lysate

Lane 8 : PC12 cell lysate

Lane 9 : MCF7 cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size : 33 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC200668)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors