

CAPZA1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15174**Specification**

CAPZA1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P52907
Other Accession	NM_006135 , NP_006126
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa KDa

CAPZA1 antibody - N-terminal region - Additional Information**Gene ID** 829**Alias Symbol** **CAPPA1, CAPZ, CAZ1**
Other Names
F-actin-capping protein subunit alpha-1, CapZ alpha-1, CAPZA1**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CAPZA1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CAPZA1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CAPZA1 antibody - N-terminal region - Protein Information**Name** CAPZA1 ([HGNC:1488](#))**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. May play a role in the formation of epithelial cell junctions (PubMed:22891260). Forms, with CAPZB, the barbed end of the fast growing ends of actin filaments in the dynactin complex and stabilizes dynactin structure. The dynactin multiprotein complex activates the molecular motor

dynein for ultra-processive transport along microtubules (By similarity).

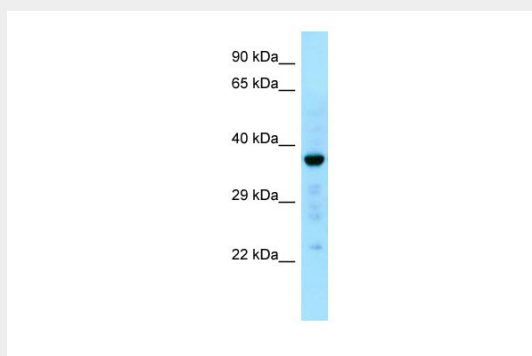
Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A0PFK5}

CAPZA1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CAPZA1 antibody - N-terminal region - Images

WB Suggested Anti-CAPZA1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Liver

CAPZA1 antibody - N-terminal region - References

Hart M.C., et al. Cell Motil. Cytoskeleton 38:120-132(1997).
Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Gregory S.G., et al. Nature 441:315-321(2006).