10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Capzb Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14292

Product Information

Application	WB
Primary Accession	Q5XI32
Other Accession	NM_001005903, NP_001005903
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30629

Additional Information

Gene ID	298584
Alias Symbol	MGC95097
Other Names	F-actin-capping protein subunit beta, CapZ beta, Capzb
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-Capzb 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	Capzb Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

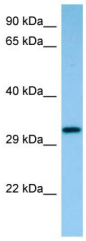
Protein Information

Name	Capzb
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. Plays a role in the regulation of cell morphology and cytoskeletal organization (By similarity). 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. Cytoplasm, myofibril, sarcomere

References

Lubec G.,et al.Submitted (APR-2007) to UniProtKB.
Maurya D.K.,et al.Proteomics 9:2593-2599(2009).

Images



WB Suggested Anti-Capzb Antibody Titration: 1.0 µg/ml
Positive Control: Rat Small Intestine

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