

**CAPZB Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2888B****Specification**

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**CAPZB Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P47756</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30629
Antigen Region	229-257

**CAPZB Antibody (C-term) - Additional Information****Gene ID** 832**Other Names**

F-actin-capping protein subunit beta, CapZ beta, CAPZB

**Target/Specificity**

This CAPZB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 229-257 amino acids from the C-terminal region of human CAPZB.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CAPZB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CAPZB Antibody (C-term) - Protein Information****Name** CAPZB ([HGNC:1491](#))

**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. 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

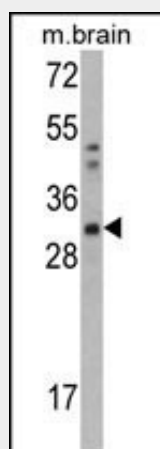
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A9XFX6}. Cytoplasm, myofibril, sarcomere {ECO:0000250|UniProtKB:A9XFX6}

#### CAPZB Antibody (C-term) - Protocols

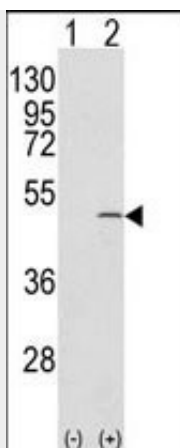
Provided below are standard protocols that you may find useful for product applications.

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

#### CAPZB Antibody (C-term) - Images



Western blot analysis of CAPZB Antibody (C-term) (Cat. #AP2888b) in mouse brain tissue lysates (35ug/lane). CAPZB (arrow) was detected using the purified Pab.



Western blot analysis of CAPZB (arrow) using rabbit polyclonal CAPZB Antibody (C-term) (Cat. #AP2888b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAPZB gene (Lane 2).

#### **CAPZB Antibody (C-term) - Background**

CAPZB is a member of the F-actin capping protein family. This protein is the beta subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments.

#### **CAPZB Antibody (C-term) - References**

Wells,C.D., Cell 125 (3), 535-548 (2006)  
Bruneel,A., Proteomics 5 (15), 3876-3884 (2005)