

CAPZB Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2888a**Specification**

CAPZB Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P47756](#)**CAPZB Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 832

Other Names

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2888a](/products/AP2888a) was selected from the N-term region of human CAPZB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CAPZB Antibody (N-term) Blocking Peptide - Protein InformationName 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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CAPZB Antibody (N-term) Blocking Peptide - Images

CAPZB Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - References

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