

Beta-Actin Blocking Peptide
Catalog # PBV10393b**Specification**

Beta-Actin Blocking Peptide - Product Information

Primary Accession	P60711
Other Accession	ABM16832
Gene ID	81822
Calculated MW	41737

Beta-Actin Blocking Peptide - Additional Information**Gene ID** 81822**Application & Usage**

The peptide is used for blocking the antibody activity of β -Actin. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Actin, cytoplasmic 1, Beta-actin, Actin, cytoplasmic 1, N-terminally processed, Actb

Target/Specificity

Beta-Actin

Formulation50 μ g (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.**Reconstitution & Storage**

-20 °C

Background Descriptions**Precautions**

Beta-Actin Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Beta-Actin Blocking Peptide - Protein Information**Name** Actb**Function**

Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells. Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction. In addition

to their role in the cytoplasmic cytoskeleton, G- and F-actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA. Part of the ACTR1A/ACTB filament around which the dynactin complex is built. The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along microtubules (By similarity).

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P60709}. Nucleus {ECO:0000250|UniProtKB:P60709} Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. {ECO:0000250|UniProtKB:P60709}

Tissue Location

Expressed in the epididymis (at protein level).

Beta-Actin Blocking Peptide - 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](#)

Beta-Actin Blocking Peptide - Images