

Anti-ACTB / Beta Actin Antibody (clone SB185f)
Rat Anti Human Monoclonal Antibody
Catalog # ALS18281**Specification**

Anti-ACTB / Beta Actin Antibody (clone SB185f) - Product Information

Application	WB, IHC-P, ICC
Primary Accession	P60709
Predicted	Human
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	41737

Anti-ACTB / Beta Actin Antibody (clone SB185f) - Additional Information**Gene ID 60**Alias Symbol **ACTB****Other Names**

ACTB, Actin, cytoplasmic 1, Beta-actin, Beta actin, BRWS1, Actin, beta, Beta cytoskeletal actin, PS1TP5-binding protein 1, PS1TP5BP1

Target/Specificity

Human ACTB / Beta Actin

Reconstitution & Storage

Purified

Precautions

Anti-ACTB / Beta Actin Antibody (clone SB185f) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ACTB / Beta Actin Antibody (clone SB185f) - 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 (PubMed: [25255767](http://www.uniprot.org/citations/25255767), PubMed: [29581253](http://www.uniprot.org/citations/29581253)). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed: [29581253](http://www.uniprot.org/citations/29581253)). 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 (PubMed: [29925947](http://www.uniprot.org/citations/29925947)). 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. Nucleus Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Anti-ACTB / Beta Actin Antibody (clone SB185f) - 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](#)

Anti-ACTB / Beta Actin Antibody (clone SB185f) - Images