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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: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). 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). 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 Cytomety
- Cell Culture

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