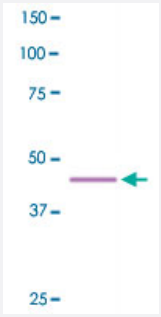
ACTB monoclonal antibody, clone S12-I

Catalog # MAB15903 Size 50 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of mouse brain crude lysate with ACTB monoclonal antibody, clone S12-I (Cat # MAB15903).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ACTB.
Immunogen	A synthetic peptide corresponding to amino acids 358-368 at C-terminus of human ACTB.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	EVAC purification
Isotype	IgG
Recommend Usage	ELISA (1:10000-1:20000) Immunoprecipitation Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10 mg/mL BSA, 0.05% Sodium Azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Tissue lysate)

  Western Blot analysis of mouse brain crude lysate with ACTB monoclonal antibody, clone S12-I (Cat # MAB15903).

Gene Info — ACTB

Entrez GeneID	60
Protein Accession#	P60709
Gene Name	ACTB
Gene Alias	PS1TP5BP1
Gene Description	actin, beta
Omim ID	102630
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that ar e involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. [provided by RefSeq
Other Designations	PS1TP5-binding protein 1|actin, cytoplasmic 1|beta actin|beta cytoskeletal actin

Publication Reference

- Melatonin Suppresses Autophagy Induced by Clinostat in Preosteoblast MC3T3-E1 Cells.

  Yoo YM, Han TY, Kim HS.

  International Journal of Molecular Sciences 2016 Apr; 17(4):526.

  Application: WB-Ce, Mouse, MC3T3-E1 cells

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Pathway

- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Leukocyte transendothelial migration
- Pathogenic Escherichia coli infection - EHEC
- Regulation of actin cytoskeleton
- Tight junction
- Vibrio cholerae infection

Disease

- Breast cancer
- Breast Neoplasms

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