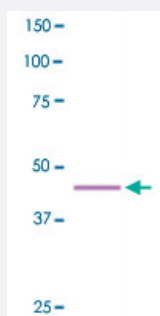


ACTB monoclonal antibody, clone S12-I

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.

Note

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

Applications

- Western Blot (Tissue lysate)

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

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACTB

Entrez GeneID	60
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Protein Accession#	P60709
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Gene Name	ACTB
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Gene Alias	PS1TP5BP1
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Gene Description	actin, beta
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Omim ID	102630
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Gene Ontology	Hyperlink
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Gene Summary	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are 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]
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Other Designations	PS1TP5-binding protein 1 actin, cytoplasmic 1 beta actin beta cytoskeletal actin
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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

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](#)