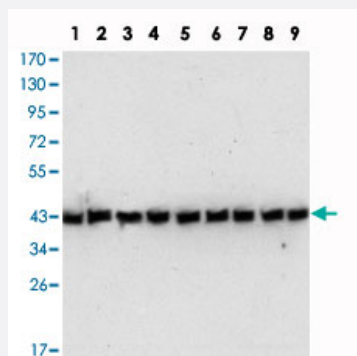


ACTB monoclonal antibody, clone 8H10D10

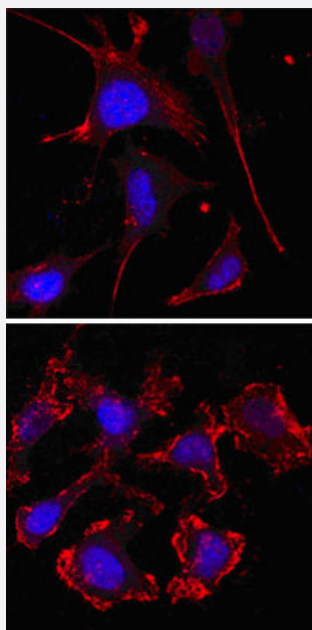
Catalog # MAB10501 Size 100 uL

Applications



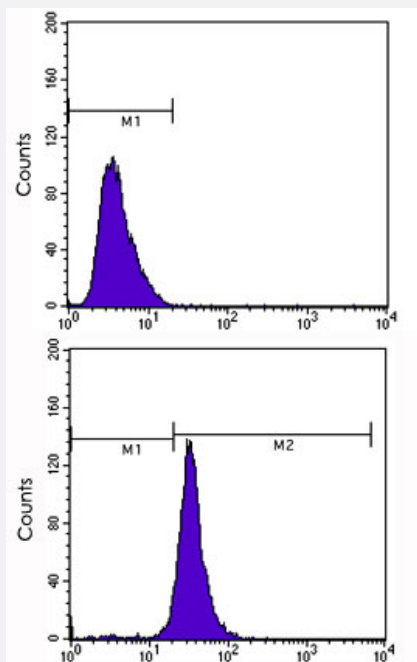
Western Blot (Cell lysate)

Western blot analysis using ACTB monoclonal antibody, clone 8H10D10 (Cat # MAB10501) against NIH/3T3 (1), Jurkat (2), HeLa (3), CHO (4), PC-12 (5), HEK293 (6), COS (7), A-549 (8) and MCF-7 (9) cell lysate.



Immunofluorescence

Confocal immunofluorescence analysis of SK-BR-3 (upper) and A-549 (bottom) cells using ACTB monoclonal antibody, clone 8H10D10 (Cat # MAB10501) (red, the secondary Ab is Cy3-Goat anti mouse IgG). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Flow cytometric analysis of MCF-7 cells using ACTB monoclonal antibody, clone 8H10D10 (Cat # MAB10501) (A) and negative control (B).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of ACTB.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human ACTB.
Host	Mouse
Theoretical MW (kDa)	42
Reactivity	Hamster, Human, Monkey, Mouse, Rat
Form	Liquid
Isotype	IgG2b
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 (Cell lysate)

Western blot analysis using ACTB monoclonal antibody, clone 8H10D10 (Cat # MAB10501) against NIH/3T3 (1), Jurkat (2), HeLa (3), CHO (4), PC-12 (5), HEK293 (6), COS (7), A-549 (8) and MCF-7 (9) cell lysate.

- Immunofluorescence

Confocal immunofluorescence analysis of SK-BR-3 (upper) and A-549 (bottom) cells using ACTB monoclonal antibody, clone 8H10D10 (Cat # MAB10501) (red, the secondary Ab is Cy3-Goat anti mouse IgG). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of MCF-7 cells using ACTB monoclonal antibody, clone 8H10D10 (Cat # MAB10501) (A) and negative control (B).

Gene Info — ACTB

Entrez GeneID [60](#)

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 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]

Other Designations PS1TP5-binding protein 1|actin, cytoplasmic 1|beta actin|beta cytoskeletal actin

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](#)