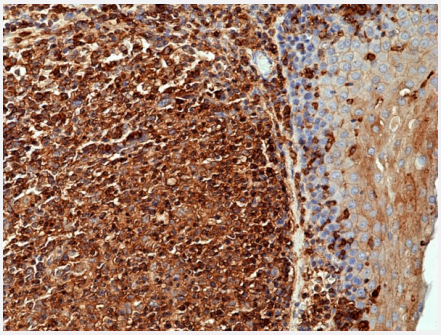
RecomAb™

ACTB monoclonal antibody, clone RM112 (Biotin)

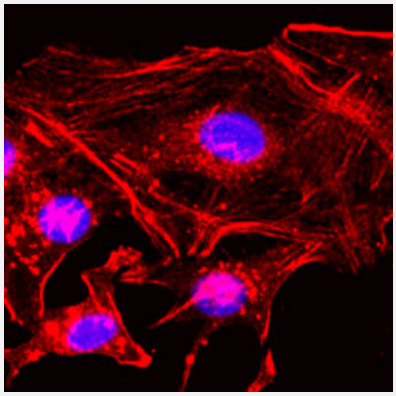
Catalog # MAB14962 Size 50 uL

Applications



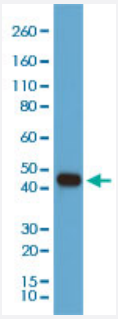
Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human tonsil tissue using ACTB monoclonal antibody, clone RM112 (Biotin) (Cat# MAB14962) at a 1:1000 dilution.



Immunocytochemistry

Immunocytochemistry staining of HeLa cells with ACTB monoclonal antibody, clone RM112 (Biotin) (Cat # MAB14962) (Red) at 1:200 dilution. Blue: DAPI was used to stain the cell nuclei.



Western Blot (Cell lysate)

Western blot analysis of A431 cell lysate with ACTB monoclonal antibody, clone RM112 (Biotin) (Cat # MAB14962) at 1:1000 dilution.

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against of ACTB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to N-terminus of human ACTB.
Sequence	N/A
Form	Liquid
Conjugation	Biotin
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ChIP (1:200) ELISA Flow Cytometry Immunocytochemistry (1:200) Immunohistochemistry (1:200) Immunoprecipitation (1:200) Western Blotting (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% 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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

- Immunohistochemistry

  Immunohistochemical staining of formalin fixed and paraffin embedded human tonsil tissue using ACTB monoclonal antibody, clone RM112 (Biotin) (Cat# MAB14962) at a 1:1000 dilution.

- Immunocytochemistry

  Immunocytochemistry staining of HeLa cells with ACTB monoclonal antibody, clone RM112 (Biotin) (Cat # MAB14962) (Red) at 1:200 dilution. Blue: DAPI was used to stain the cell nuclei.

- Flow Cytometry

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- Enzyme-linked Immunoabsorbent Assay
- ChIP
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western blot analysis of A431 cell lysate with ACTB monoclonal antibody, clone RM112 (Biotin) (Cat # MAB14962) at 1:1000 dilution.

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

Pathway

- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Leukocyte transendothelial migration

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- Pathogenic Escherichia coli infection - EHEC
- Regulation of actin cytoskeleton
- Tight junction
- Vibrio cholerae infection

Disease

- Breast cancer
- Breast Neoplasms

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