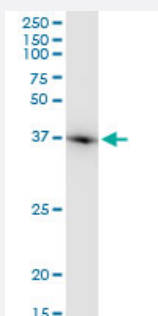


ACTB monoclonal antibody (M03), clone 1E7

Catalog # H00000060-M03

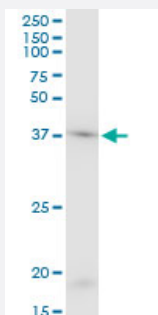
Size 100 ug

Applications



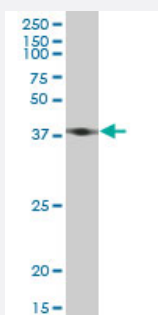
Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in NIH/3T3(Cat # L018V1).



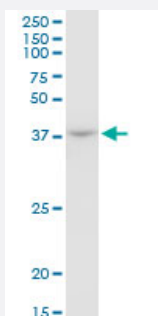
Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in PC-12(Cat # L012V1).



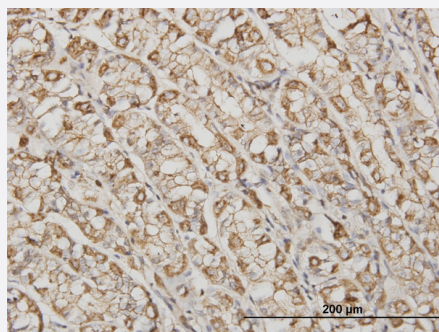
Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in Jurkat (Cat # L017V1).



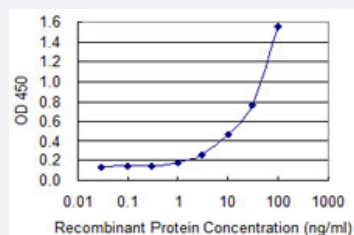
Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in Raw 264.7(Cat # L024V1).



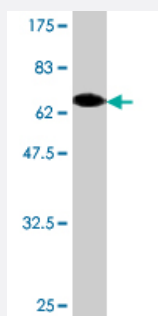
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ACTB on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACTB is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (66.99 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ACTB.

Immunogen

ACTB (AAH01301, 1 a.a. ~ 375 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MDDDIAALVVDNGSGMCKAGFAGDDAPRAVSPSIVGRPRHQGVMMGMGQKDSYVGDEAQSQR
GILTLKYPIEHGVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPLNPKANREKMTQIMFETFNT
PAMYVAIQAVLSLYASGRRTTGIVMDSGDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERG
YSFTTTAEREIVRDIKEKLCYVALDFEQEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQP
SFLGMESCGIHETTFNSIMKCDVDIRKDLANTVLSGGTTMYPGIADRMQKEITALAPSTMKIKIAPP
ERRYSVWIGGSILASLSTFQQMWISKQEYDESGPSVHRKCF

Host

Mouse

Reactivity

Human, Mouse, Rat

Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (66.99 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in PC-12(Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

ACTB monoclonal antibody (M03), clone 1E7. Western Blot analysis of ACTB expression in Raw 264.7(Cat # L024V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ACTB on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACTB is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ACTB

Entrez GeneID	60
GeneBank Accession#	BC001301
Protein Accession#	AAH01301
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](#)