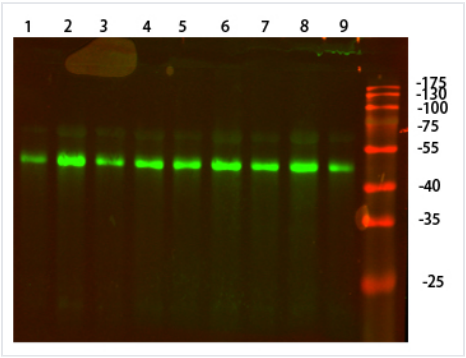
Actin Beta (ACTB) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Actin beta (ACTB), Polyclonal Antibody
Full Product Name	Actin beta Polyclonal Antibody
Product Gene Name	anti-ACTB antibody
Product Synonym Names	ACTB; Actin; cytoplasmic 1; Beta-actin
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	375
Chromosome Location	Chromosome: 7; NC_000007.13 (5566779..5570232, complement). Location: 7p22
OMIM	102630
3D Structure	ModBase 3D Structure for P60709
Applications Tested/Suitable for anti-ACTB antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF)
Related Product Information for anti-ACTB antibody	Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells (PubMed:29581253). Actin exists in both monomeric (G- actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed:29581253). In addition to their role in the cytoplasmic cytoskeleton, G- and F-actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA (PubMed:29925947).
Other Notes	Small volumes of anti-ACTB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACTB purchase	MBS9242625 is an antibody targeting ACTB. Also known as Actin beta Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ACTB antibody
Dilution: IF: 1:50-200 Western Blot: 1/1000 - 1/4000. Immunohistochemistry: 1/100 - 1/300.
ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTB. It may not necessarily be applicable to this product.

NCBI GI #	4501885
NCBI GeneID	60
NCBI Accession #	NP_001092.1
UniProt Primary Accession #	P60709
UniProt Secondary Accession #	P02570; P70514; P99021; Q11211; Q64316; Q75MN2; Q96B34; Q96HG5
UniProt Related Accession #	P60709
GenBank Nucleotide #	NM_001101.3
NCBI Official Full Name	actin, cytoplasmic 1
NCBI Official Synonym Full Names	actin, beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	BRWS1; PS1TP5BP1
UniProt Protein Name	Actin, cytoplasmic 1
UniProt Synonym Protein Names	Beta-actin
Protein Family	Actin
UniProt Gene Name	ACTB
UniProt Entry Name	ACTB_HUMAN
NCBI Protein Information	actin, cytoplasmic 1; beta cytoskeletal actin; PS1TP5-binding protein 1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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