ACTR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACTR2, Polyclonal Antibody
Full Product Name	ACTR2
Product Gene Name	anti-ACTR2 antibody
Product Synonym Names	ARP2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	45kDa
OMIM	604221
3D Structure	ModBase 3D Structure for P61160
Immunogen	Recombinant protein of human ACTR2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ACTR2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-ACTR2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Related Product Information for anti-ACTR2 antibody	The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Two transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-ACTR2 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 ACTR2 purchase	MBS8535736 is an antibody targeting ACTR2. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTR2. It may not necessarily be applicable to this product.

NCBI GI #	53692187
NCBI GeneID	10097
NCBI Accession #	NP_001005386.1

UniProt Primary Accession #	P61160
UniProt Secondary Accession #	O15142; Q96C82; B2RCP5; D6W5F4; E9PF41
UniProt Related Accession #	P61160
GenBank Nucleotide #	NM_001005386.2
NCBI Official Full Name	actin-related protein 2 isoform a
NCBI Official Synonym Full Names	ARP2 actin related protein 2 homolog
NCBI Official Symbol	ACTR2
NCBI Official Synonym Symbols	ARP2
UniProt Protein Name	Actin-related protein 2
UniProt Synonym Protein Names	Actin-like protein 2
UniProt Gene Name	ACTR2
UniProt Synonym Gene Names	ARP2
NCBI Protein Information	actin-related protein 2
UniProt Comments for ACTR2	Functions as ATP-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. Seems to contact the pointed end of the daughter actin filament.
Research Articles on ACTR2	**1.** RARalpha regulates Arp2/3-mediated actin cytoskeletal dynamics through a non-genomic signaling pathway
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