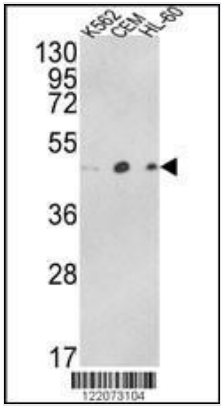
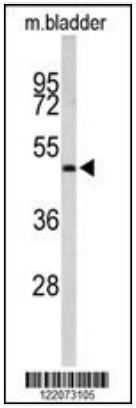
ACTR3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACTR3B, Polyclonal Antibody
Full Product Name	ACTR3B, CT (Actin-related Protein 3B, Actin-like Protein 3B, ARP3-beta, Actin-related Protein ARP4, ARP4, ARP11) (PE)
Product Gene Name	anti-ACTR3B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human ACTR3B. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	47,608 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (152456851..152552463). Location: 7q36.1
3D Structure	ModBase 3D Structure for Q9P1U1
Immunogen	Synthetic peptide selected from the C-terminal region of human ACTR3B (KLH).
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-ACTR3B antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-ACTR3B antibody	Western Blot (WB), FLISA
Application Notes for anti-ACTR3B antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ACTR3B antibody	MBS6464065 is an antibody targeting ACTR3B. Also known as ACTR3B, CT (Actin-related Protein 3B, Actin-like Protein 3B, ARP3-beta, Actin-related Protein ARP4, ARP4, ARP11) (PE). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-ACTR3B antibody	1. Ewing, R.M., et.al., Mol. Syst. Biol. 3, 89 (2007). 2. Shindo-Okada, N.et.al., Biochem. Biophys. Res. Commun. 280(1), 61-67 (2001).
Other Notes	Small volumes of anti-ACTR3B 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.



Western Blot (WB) of anti-ACTR3B antibody
Western blot analysis of ACTR3B Antibody (C-term) in K562, CEM, HL-60 cell line lysates (35ug/lane). ACTR3B (arrow) was detected using the purified Pab.



Western Blot (WB) of anti-ACTR3B antibody
Western blot analysis of ACTR3B Antibody (C-term) in mouse bladder tissue lysates (35ug/lane). ACTR3B (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTR3B. It may not necessarily be applicable to this product.

NCBI GI #	9966913
NCBI GeneID	57180
NCBI Accession #	NP_065178.1
UniProt Primary Accession #	Q9P1U1
UniProt Secondary Accession #	Q7Z526; Q96BT2; A8MTG1; B4DFW4
UniProt Related Accession #	Q59GD5; Q75LP0; Q9P1U1
GenBank Nucleotide #	NM_020445.4
NCBI Official Full Name	actin-related protein 3B isoform 1
NCBI Official Synonym Full Names	ARP3 actin-related protein 3 homolog B (yeast)
NCBI Official Symbol	ACTR3B
NCBI Official Synonym Symbols	ARP11; ARP3BETA; DKFZp686O24114
UniProt Protein Name	Actin-related protein 3B
UniProt Synonym Protein Names	ARP3-beta; Actin-like protein 3B; Actin-related protein ARP4
Protein Family	Actin-related protein
UniProt Gene Name	ACTR3B
UniProt Synonym Gene Names	ARP11; ARP4
UniProt Entry Name	ARP3B_HUMAN
NCBI Protein Information	actin-related protein 3B; ARP3-beta; OTTHUMP00000200055; OTTHUMP00000200076; OTTHUMP00000200077; actin-like protein 3B; actin-related protein ARP4; actin-related protein Arp11; actin-related protein 3-beta
NCBI Summary for ACTR3B	This gene encodes a member of the actin-related proteins (ARP), which form multiprotein complexes and share 35-55% amino acid identity with conventional actin. The protein encoded by this gene may have a regulatory role in the actin cytoskeleton and induce cell-shape change and motility. Pseudogenes of this gene are located on chromosomes 2, 4, 10, 16, 22 and Y. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]

UniProt Comments for ACTR3B	ACTR3B: Plays a role in the organization of the actin cytoskeleton. May function 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. May decrease the metastatic potential of tumors. Belongs to the actin family. ARP3 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 7q36.1 Cellular Component: Arp2/3 protein complex; cell projection; cytoplasm Molecular Function: actin binding; ATP binding
Research Articles on ACTR3B	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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