

Rabbit anti-Human ACTL6B Polyclonal Antibody | anti-ACTL6B antibody

ACTL6B Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286828	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ACTL6B; Polyclonal Antibody; ACTL6B Antibody (N-term); Actin-like protein 6B; 53 kDa BRG1-associated factor B; Actin-related protein Baf53b; ArpNalpha; BRG1-associated factor 53B; BAF53B; ACTL6; anti-ACTL6B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACTL6B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-70 amino acids from the N-terminal region of human ACTL6B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	42-70
Sequence Length	426
Applicable Applications for anti-ACTL6B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ACTL6B Antibody (N-term) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

ACTL6B Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACTL6B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

ACTL6B Antibody (N-term) western blot analysis in NCI-H460, HepG2 cell line lysates (35ug/lane). This demonstrates the ACTL6B antibody detected the ACTL6B protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ACTL6B antibody	ACTL6B is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a subunit of the BAF (BRG1/brm-associated factor) complex in mammals, which is functionally related to SWI/SNF complex in <i>S. cerevisiae</i> and <i>Drosophila</i> ; the latter is thought to facilitate transcriptional activation of specific genes by antagonizing chromatin-mediated transcriptional repression. This subunit may be involved in the regulation of genes by structural modulation of their chromatin, specifically in the brain.
Product Categories/Family for anti-ACTL6B antibody	Neuroscience; Signal Transduction
References	Oma, Y., et al. Biochem. Biophys. Res. Commun. 301(2):521-528(2003) Kuroda, Y., et al. Biochem. Biophys. Res. Commun. 299(2):328-334(2002) Olave, I., et al. Genes Dev. 16(19):2509-2517(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705294
NCBI GeneID	51412
NCBI Accession #	NP_057272.1
NCBI GenBank Nucleotide #	NM_016188.4
UniProt Accession #	O94805 ; O75421 ; A4D2D0
Molecular Weight	46877
NCBI Official Full Name	actin-like protein 6B
NCBI Official Synonym Full Names	actin-like 6B
NCBI Official Symbol	ACTL6B
NCBI Official Synonym Symbols	ACTL6; BAF53B
NCBI Protein Information	actin-like protein 6B
UniProt Protein Name	Actin-like protein 6B
UniProt Gene Name	ACTL6B
UniProt Synonym Gene Names	ACTL6; BAF53B; BAF53B
UniProt Entry Name	ACL6B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.