

Rabbit anti-Human Actin-like protein 6B Polyclonal Antibody | anti-ACTL6B antibody

Rabbit anti-human Actin-like protein 6B polyclonal Antibody(ACTL6B)

CATALOG # AAA118984	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	426
Applicable Applications for anti-ACTL6B antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Actin-like protein 6B protein(1-280aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-323503
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



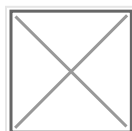
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain using AAA118984 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human skin using AAA118984 at dilution 1:100



WB (Western Blot)

All lanes: Actin-like protein 6B antibody at 3ug/mL Lane 1: Hela whole cell lysate Lane 2: U251 whole cell lysate Lane 3: HepG2 whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 47kDa Observed band size: 47kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ACTL6B antibody	Belongs to the chromatin remodeling brain-specific BAF (bBAF) complex, as such plays a role in remodeling mononucleosomes in an ATP-dependent fashion. Belongs to the neuron-specific chromatin remodeling complex (nBAF complex) and is required for postmitotic neural development and dendritic outgrowth. During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth. ACTL6B/BAF53B is not essential for assembly of the nBAF complex but is required for targeting the complex and CREST to the promoter of genes essential for dendritic growth.
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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	46,877 Da
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; arpNalpha
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/actin-like-protein-6b-antibody-immunohistochemistry-western-blot-elisa/118984>