

Rabbit ACTL6A Polyclonal Antibody | anti-ACTL6A antibody

ACTL6A antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197573	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

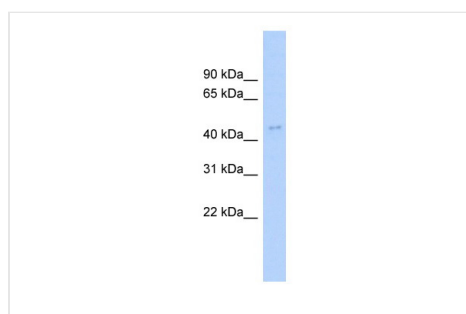
PRODUCT SYNONYMS

ACTL6A; Polyclonal Antibody; ACTL6A antibody - N-terminal region; anti-ACTL6A antibody

PRODUCT SPECIFICATIONS

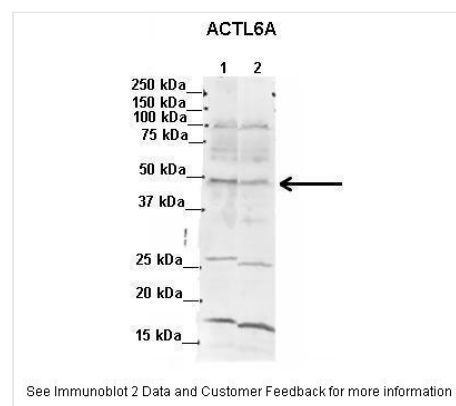
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VD FPTAIGMVVE RDDGSTLMEI DGDKGKQGPP TYYIDTNALR VPRENMEA
Sequence Length	429
Applicable Applications for anti-ACTL6A antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACTL6A
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-ACTL6A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive

Control: Transfected 293T


WB (Western Blot)

Lanes: 1. Mouse WT brain extract (80ug) 2. Rat brain extract (80ug) Primary Antibody Dilution: 2ug/ml Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience Secondary Antibody Dilution: 1: 20,000 Gene Name: ACTL6A Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science

ADDITIONAL INFORMATION

Related Product Information for anti- ACTL6A antibody	This is a rabbit polyclonal antibody against ACTL6A. It was validated on Western Blot using a cell lysate as a positive control. Target Description: This gene encodes a family member 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 53 kDa subunit protein 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. Together with beta-actin, it is required for maximal ATPase activity of BRG1, and for the association of the BAF complex with chromatin/matrix. Three transcript variants that encode two different protein isoforms have been described.
Product Categories/Family for anti- ACTL6A antibody	Polyclonal ; Transcription Regulation ; Chromatin & Nuclear Signaling ; Neuroscience ; Various ; DNA/RNA/Protein Interactions ; Acetylation ; DNA Repair ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757718
NCBI GeneID	86
NCBI Accession #	NP_004292
NCBI GenBank Nucleotide #	NM_004301
UniProt Accession #	O96019
Molecular Weight	47kDa
NCBI Official Full Name	actin-like protein 6A isoform 1
NCBI Official Synonym Full Names	actin like 6A
NCBI Official Symbol	ACTL6A
NCBI Official Synonym Symbols	Arp4; ACTL6; BAF53A; INO80K; ARPN-BETA
NCBI Protein Information	actin-like protein 6A
UniProt Protein Name	Actin-like protein 6A
UniProt Gene Name	ACTL6A
UniProt Synonym Gene Names	BAF53; BAF53A; INO80K; BAF53A
UniProt Entry Name	ACL6A_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.