

Rabbit anti-Human BAF53a/ACTL6A Polyclonal Antibody | anti-ACTL6A antibody

Anti-BAF53a/ACTL6A Antibody, Rabbit Polyclonal

CATALOG # AAA254994	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

BAF53a/ACTL6A; Polyclonal Antibody; Anti-BAF53a/ACTL6A Antibody; Rabbit Polyclonal; Actin-like protein 6A/ACTL6A/BAF53a Antibody; Rabbit PAb; Antigen Affinity Purified; actin-like 6A; Anti-ACTL6 Antibody; Anti-Arp4 Antibody; Anti-ARPN-BETA Antibody; Anti-BAF53A Antibody; Anti-INO80K Antibody; anti-ACTL6A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Actin-like protein 6A/ACTL6A/BAF53a
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ACTL6A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human Actin-like protein 6A/ACTL6A/BAF53a
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Actin-like protein 6A/ACTL6A/BAF53a, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of ACTL6A in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human ACTL6A polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



WB (Western Blot)

Anti-ACTL6A rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 47kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ACTL6A antibody	Increased Actin-like 6A (ACTL6A) expression has been implicated in the development of diverse cancers and recently associated with the Hippo signaling pathway, which is known to regulate biological properties, including proliferation, tissue regeneration, stem cell biology, as well as tumorigenesis. Here we first show that ACTL6A is upregulated in human gliomas and its expression is associated with glioma patient survival. ACTL6A promotes malignant behaviors of glioma cells in vitro and in orthotopic xenograft model. Moreover, effects of ACTL6A on glioma cells proliferation, migration, and invasion could be mediated by YAP/TAZ. These data indicate that ACTL6A may contribute to cancer progression by stabilizing YAP/TAZ and therefore provide a novel therapeutic target for the treatment of human gliomas. Actl6a knockdown reduced the pluripotency of embryonic stem cells (ESCs), and this reduction could not be rescued by the addition of ATP. The abundance of mitochondrially produced ATP affects stem cell pluripotency via Actl6a-mediated histone acetylation. ACTL6A gene mutation analysis should be considered in patients with intellectual disability, learning disabilities, or developmental language disorder.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757718
NCBI GeneID	86
NCBI Accession #	NP_004292.1
NCBI GenBank Nucleotide #	NM_004301.3
UniProt Accession #	O96019; Q8TAE5; Q9BVS8; Q9H0W6; B3KMN1; D3DNR9
Molecular Weight	47,461 Da
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; BAF53; arpNbeta; hArpN beta; INO80 complex subunit K; actin-related protein 4; BAF complex 53 kDa subunit; BRG1-associated factor 53A; actin-related protein Baf53a; 53 kDa BRG1-associated factor A
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.