

Rabbit Filamin B Polyclonal Antibody | anti-FLNB antibody

Filamin B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329104	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)	ELISA

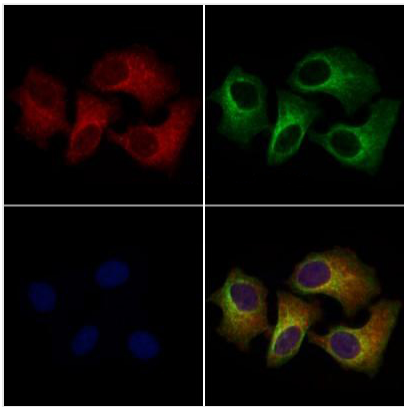
PRODUCT SYNONYMS

Filamin B; Polyclonal Antibody; Filamin B Antibody; ABP 278; ABP 280 homolog; ABP-278; ABP-280 homolog; ABP278; Actin binding like protein; Actin binding protein 278; Actin-binding-like protein; AOI; Beta filamin; Beta-filamin; DKFZp686A1668; DKFZp686O033; Fh1; Filamin 1 actin binding protein 280 like; Filamin 3; Filamin B beta actin binding protein 278; Filamin homolog 1; Filamin-3; Filamin-B; FLN B; FLN-B; FLN1L; FLN3; FLNB; FLNB_HUMAN; LRS1; SCT; TABP; TAP; Thyroid autoantigen; Truncated ABP; Truncated actin binding protein; Truncated actin-binding protein; anti-FLNB antibody

PRODUCT SPECIFICATIONS

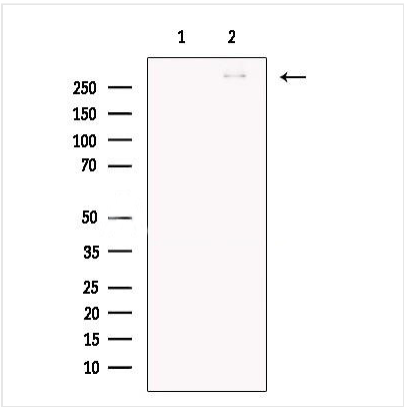
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Filamin B Antibody detects endogenous levels of total Filamin B.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	2602
Applicable Applications for anti-FLNB antibody	ELISA
Immunogen	A synthesized peptide derived from human Filamin B, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329104 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329104 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from A431 cells, using Filamin B Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FLNB antibody	Function: Connects cell membrane constituents to the actin cytoskeleton. May promote orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton. Interaction with FLNA may allow neuroblast migration from the ventricular zone into the cortical plate. Various interactions and localizations of isoforms affect myotube morphology and myogenesis. Isoform 6 accelerates muscle differentiation in vitro. Post Translational Modifications: ISGylation prevents ability to interact with the upstream activators of the JNK cascade and inhibits IFNA-induced JNK signaling. Ubiquitination by a SCF-like complex containing ASB2 isoform 2 leads to proteasomal degradation which promotes muscle differentiation. Subcellular Location: Cytoplasm>Cell cortex. Cytoplasm>Cytoskeleton. Cytoplasm>Cytoskeleton>Stress fiber. Cytoplasm>Myofibril>Sarcomere>Z line. Note: In differentiating myotubes, isoform 1, isoform 2 and isoform 3 are localized diffusely throughout the cytoplasm with regions of enrichment at the longitudinal actin stress fiber. In differentiated tubes, isoform 1 is also detected within the Z-lines. Cytoplasm>Cytoskeleton>Stress fiber. Cytoplasm>Cytoskeleton>Stress fiber. Cytoplasm>Cytoskeleton. Note: Polarized at the periphery of myotubes. Tissue Specificity: Ubiquitous. Isoform 1 and isoform 2 are expressed in placenta, bone marrow, brain, umbilical vein endothelial cells (HUVEC), retina and skeletal muscle. Isoform 1 is predominantly expressed in prostate, uterus, liver, thyroid, stomach, lymph node, small intestine, spleen, skeletal muscle, kidney, placenta, pancreas, heart, lung, platelets, endothelial cells, megakaryocytic and erythroleukemic cell lines. Isoform 2 is predominantly expressed in spinal cord, platelet and Daudi cells. Also expressed in thyroid adenoma, neurofibrillary tangles (NFT), senile plaques in the hippocampus and cerebral cortex in Alzheimer disease (AD). Isoform 3 and isoform 6 are expressed predominantly in lung, heart, skeletal muscle, testis, spleen, thymus and leukocytes. Isoform 4 and isoform 5 are expressed in heart. Subunit Structure: Homodimer. Interacts with MICALL2 (By similarity). Interacts with RFLNA and RFLNB (By similarity). Isoform 1 interacts with FBLP1, FLNA, FLNC, GP1BA, INPPL1, ITGB1A, PSEN1 and PSEN2. Isoform 3 interacts with ITGB1A, ITGB1D, ITGB3 and ITGB6. Interacts with MYOT and MYOZ1. Interacts with HBV capsid protein. Similarity: Comprised of a NH2-terminal actin-binding domain, 24 internally homologous repeats and two hinge regions. Repeat 24 and the second hinge domain are important for dimer formation. The first hinge region prevents binding to ITGA and ITGB subunits. Belongs to the filamin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296434507
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NCBI GeneID	2317
UniProt Accession #	O75369
Molecular Weight	Observed Molecular Weight: (Observed)278kD. Predicted Molecular Weight: (Calculated)278kDa.
NCBI Official Full Name	Filamin-B
NCBI Official Synonym Full Names	filamin B
NCBI Official Symbol	FLNB
NCBI Official Synonym Symbols	AOI; FH1; SCT; TAP; LRS1; TABP; FLN-B; FLN1L; ABP-278; ABP-280
NCBI Protein Information	filamin-B
UniProt Protein Name	Filamin-B
UniProt Gene Name	FLNB
UniProt Synonym Gene Names	FLN1L; FLN3; TABP; TAP; FLN-B; Fh1; Truncated ABP
UniProt Entry Name	FLNB_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/filamin-b-antibody-elisa/329104>