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FLNB Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2545a

Specification

FLNB Antibody (internal region) - Product Information

Application	**E**
Primary Accession	O75369
Other Accession	NP_001448.2, NP_001157789.1, NP_001157790.1, NP_001157791.1, 2317, 286940 (mouse), 306204 (rat)
Predicted	**Human, Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**278164**

FLNB Antibody (internal region) - Additional Information

Gene ID 2317

Other Names
Filamin-B, FLN-B, ABP-278, ABP-280 homolog, Actin-binding-like protein, Beta-filamin, Filamin homolog 1, Fh1, Filamin-3, Thyroid autoantigen, Truncated actin-binding protein, Truncated ABP, FLNB, FLN1L, FLN3, TABP, TAP

Dilution
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FLNB Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

FLNB Antibody (internal region) - Protein Information

Name FLNB

Synonyms FLN1L, FLN3, TABP, TAP

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.

Cellular Location
[Isoform 1]: 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 [Isoform 3]: Cytoplasm, cytoskeleton, stress fiber

Tissue Location
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.

FLNB Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FLNB Antibody (internal region) - Images

FLNB Antibody (internal region) - Background

This antibody is expected to recognise all reported isoforms (NP_001448.2; NP_001157789.1; NP_001157790.1; NP_001157791.1).

FLNB Antibody (internal region) - References

Human beta-filamin is a new protein that interacts with the cytoplasmic tail of glycoprotein Ibalpha. Takafuta T, Wu G, Murphy GF, Shapiro SS. J Biol Chem. 1998 Jul 10;273(28):17531-8. PMID: 9651345