

**FLNB Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2545a****Specification**

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**FLNB Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O75369</a>
Other Accession	<a href="#">NP_001448.2</a> , <a href="#">NP_001157789.1</a> , <a href="#">NP_001157790.1</a> , <a href="#">NP_001157791.1</a> , <a href="#">2317</a> , <a href="#">286940 (mouse)</a> , <a href="#">306204 (rat)</a>
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

**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 Cytometry](#)
- [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 Iba1. Takafuta T, Wu G, Murphy GF, Shapiro SS. J Biol Chem. 1998 Jul 10;273(28):17531-8. PMID: 9651345