

FLNC Rabbit Polyclonal Antibody

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Catalog # AP93317

Product Information

Application	IHC-P, IF, ICC
Primary Accession	Q14315
Reactivity	Human, Mouse
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	291022

Additional Information

Gene ID	2318
Other Names	Filamin-C, FLN-C, FLNc, ABP-280-like protein, ABP-L, Actin-binding-like protein, Filamin-2, Gamma-filamin, FLNC, ABPL, FLN2
Dilution	IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Storage Conditions	-20°C

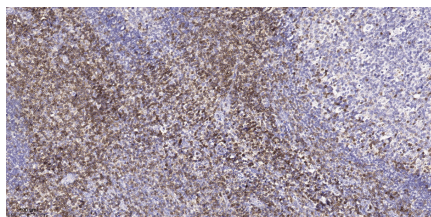
Protein Information

Name	FLNC
Synonyms	ABPL, FLN2
Function	Muscle-specific filamin, which plays a central role in sarcomere assembly and organization (PubMed: 34405687). Critical for normal myogenesis, it probably functions as a large actin-cross-linking protein with structural functions at the Z lines in muscle cells. May be involved in reorganizing the actin cytoskeleton in response to signaling events (By similarity).
Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line. Note=A small amount localizes at membranes. In striated muscle cells, it predominantly localizes in myofibrillar Z lines, while a minor fraction localizes with subsarcolemme. Targeting to developing and mature Z lines is mediated by the intradomain insert
Tissue Location	Highly expressed in striated muscles. Weakly expressed in thyroid, fetal brain, fetal lung, retina, spinal cord and bone marrow. Not expressed in testis, pancreas, adrenal gland, placenta, liver and kidney.

Background

This gene encodes one of three related filamin genes, specifically gamma filamin. These filamin proteins crosslink actin filaments into orthogonal networks in cortical cytoplasm and participate in the anchoring of membrane proteins for the actin cytoskeleton. Three functional domains exist in filamin: an N-terminal filamentous actin-binding domain, a C-terminal self-association domain, and a membrane glycoprotein-binding domain. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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