

For Research Use Only

FLNB Polyclonal antibody

Catalog Number: 20685-1-AP **3 Publications**



Basic Information

Catalog Number: 20685-1-AP	GenBank Accession Number: NM_001457	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2317	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: O75369	
Isotype: IgG	Full Name: filamin B, beta (actin binding protein 278)	
	Calculated MW: 278 kDa	
	Observed MW: 250-278 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, U2OS cells, NIH/3T3 cells

IHC: human liver cancer tissue, human colon tissue

IF: HepG2 cells,

Background Information

FLNB, also named as FLN1L, FLN3, TABP, TAP and Fh1, belongs to the filamin family. FLNB connects cell membrane constituents to the actin cytoskeleton. It may promote orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. It anchors various transmembrane proteins to the actin cytoskeleton. Interaction with FLNA, FLNB may allow neuroblast migration from the ventricular zone into the cortical plate. Various interactions and localizations of isoforms affect myotube morphology and myogenesis. The antibody is specific to FLNB. It can recognize isoform 1, 2, 3, 6, 7 of FLNB. It has no cross reaction to FLNA and FLNC.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenwen Chen	32665550	Cell Death Dis	WB
Guoyong Fan	38455418	Am J Cancer Res	IHC, IF
Wenbin Huang	37003352	J Genet Genomics	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

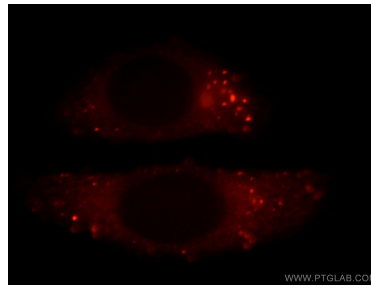
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

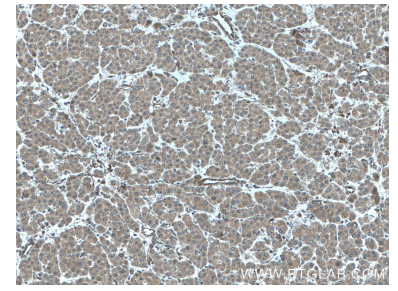
Selected Validation Data



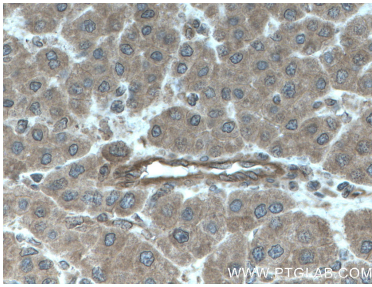
HeLa cells were subjected to SDS PAGE followed by western blot with 20685-1-AP (FLNB antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using FLNB antibody 20685-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20685-1-AP (FLNB antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20685-1-AP (FLNB antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).