For Research Use Only

FLNA Monoclonal antibody

Catalog Number:67133-1-Ig 9 Publications

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Basic Information

Catalog Number:
67133-1-Ig

Size:
150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG23291

GenBank Accession Number:
BC014654

GeneID (NCBI):
2316

UNIPROT ID:
P21333

Full Name:
filamin A, alpha (actin binding protein 280)

Calculated MW:
2647 aa, 280 kDa

Observed MW:
280 kDa

Purification Method:
Protein A purification

CloneNo.:
1G4H3

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:500-1:2000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
Human

Cited Species:
human

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 : A549 cells, HEK-293 cells, MCF-7 cells, human skeletal muscle tissue, U2OS cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, A431 cells

IHC : human cervical cancer tissue, human breast cancer tissue

IF/ICC : HeLa cells,

Background Information

FLNA encodes a 280 kDa widely expressed actin binding protein called filamin A which can crosslinks actin filaments and links actin filaments to membrane glycoproteins to form a three-dimensional network (PMID:29931263). And filamin A could interact with many other proteins, involved in receptor activation, cell migration and adhesion, cell proliferation, inflammation and tumorigenesis, studies have been reported that FLNA overexpressed in multiple types of tumors, suggesting FLNA may involved in cancer aggressiveness(PMID:29100390). What's more, FLNA is an causative gene of periventricular nodular heterotopia (PNH) (PMID: 29062687)

Notable Publications

Author	Pubmed ID	Journal	Application
Min Liu	34262899	Front Cell Dev Biol	WB,IF
Damiano Cosimo Rigiracciolo	35655319	J Exp Clin Cancer Res	IF
Wenwen Chen	32665550	Cell Death Dis	WB

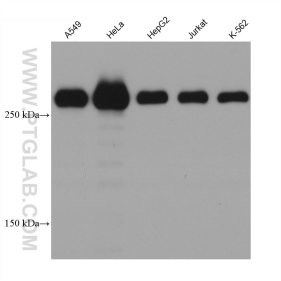
Storage

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

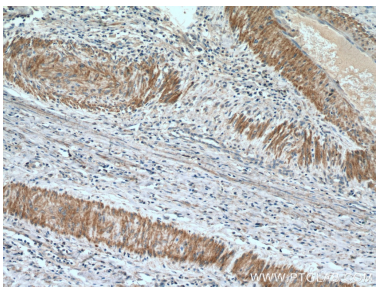
*** 20ul sizes contain 0.1% BSA

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

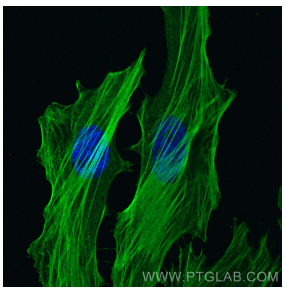
Selected Validation Data



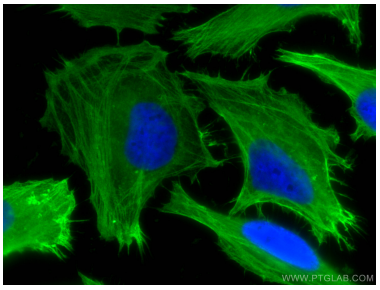
Various lysates were subjected to SDS PAGE followed by western blot with 67133-1-Ig (FLNA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



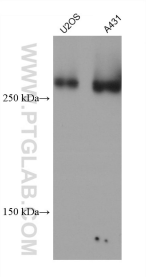
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67133-1-Ig (FLNA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



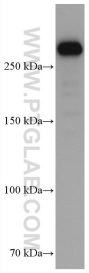
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FLNA antibody (67133-1-Ig, Clone: 1G4H3) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FLNA antibody (67133-1-Ig, Clone: 1G4H3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67133-1-Ig (FLNA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 67133-1-Ig (FLNA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.