

Product Datasheet

Filamin A Antibody (4E10-1B2) - Azide and BSA Free H00002316-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 14

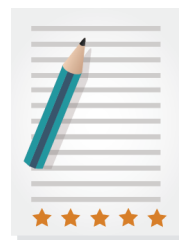
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H00002316-M01

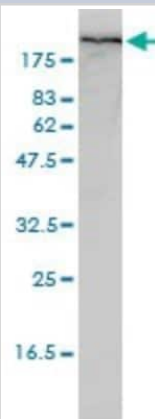
Filamin A Antibody (4E10-1B2) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4E10-1B2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2316
Gene Symbol	FLNA
Species	Human, Mouse, Rat
Specificity/Sensitivity	FLNA - filamin A, alpha (actin binding protein 280)
Immunogen	FLNA (AAH14654, 1 a.a. ~ 838 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPSGKVAQPTITDNKDGTVTVRYAPSEAGLHEMDIRYDNMHIPGSPLQFYVDY VNCGHVTAYGPGLTHGVVNKPATFTVNTKDAGEGGLSLAIEGPSKAEISCTDN QDGTCSVSYLPVLPGDYSILVKYNEQHVPGPSFTARVTGDDSMRMSHLKVGS AADIPINISSETDLSLLTATVVPPSGREEPCLLKRLRNHGVGISFVPKETGEHLVHV KKNQGHVASSPIPVVISQSEIGDASRVRVSGQGLHEGHTFEPAEFIIDTRDAGY GGLSLSIEGPSKVDINTEDLEDGTCRVTYCPTPEGNYIINIKFADQHVPGPSFQSV KVTGEGRVKESITRRRRAPSVANVGSHCDLSLKIPEISIQDMTAQVTSPSGKTH EAEIVEGENHTYCIHFVPAEMGHTHTVSVKYKGQHVPGSPFQFTVGPLGEGGAH KVRAGGPGLERAEGVPAEFSIWTREAGAGGLAIAVEGPSKAEISFEDRKDGS CGVAYVVQEPGDYEVSVKFNEEHIPDSPFVVPVASPSGDARRLTVSSLQESGL KVNQPASFVSLNGAKGAIDAKVHSPSGALEECYVTEIDQDKYAVRFIPRENGV YLIDVKFNGTHIPGSPFKIRVGEPGHGGDPGLVSAYGAGLEGGVTGNPAEFVV NTSNAGAGALSVTIDGPSKVKMDCQECPEGYRVTYTPMAPGSYLISIKYGGPY HIGGSPFKAKVTGPRLVSNHSLHETSSVFVDSLTKATCAPQHGAPGPGPADAS KVVAKGLGLSKAYVGQKSSFTVDCSKAGNNMLLVGVHGPRTPCEEILVKHVGS RLYSVSYLLKDKGEYTLVVKWGDEHIPGSPYRVVP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Proximity Ligation Assay
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

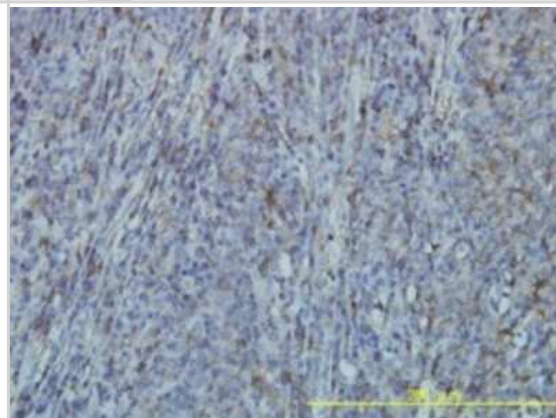


Images

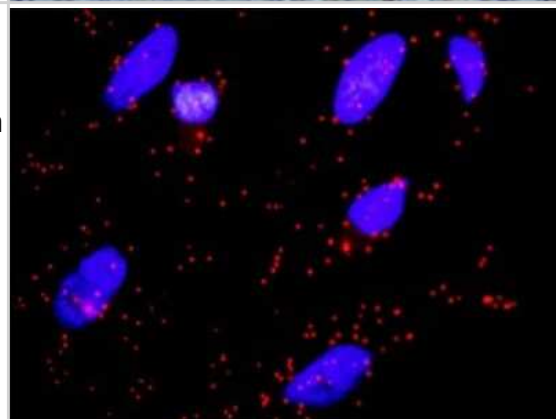
Western Blot: Filamin A Antibody (4E10-1B2) [H00002316-M01] - FLNA monoclonal antibody (M01), clone 4E10-1B2 Analysis of FLNA expression in HL-60.



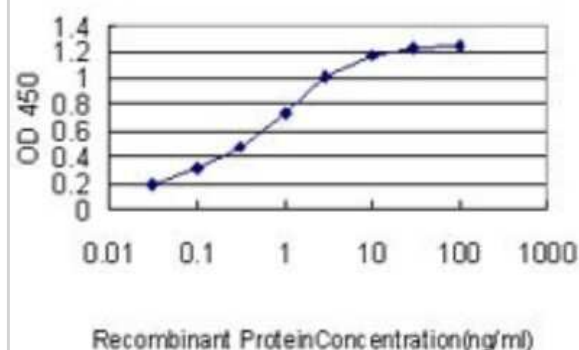
Immunohistochemistry-Paraffin: Filamin A Antibody (4E10-1B2) [H00002316-M01] - Analysis of monoclonal antibody to FLNA on formalin-fixed paraffin-embedded human lymphoma tissue. Antibody concentration 1.5 ug/ml.



Proximity Ligation Assay: Filamin A Antibody (4E10-1B2) [H00002316-M01] - Analysis of protein-protein interactions between GP1BA and FLNA. HeLa cells were stained with anti-GP1BA rabbit purified polyclonal 1:1200 and anti-FLNA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



ELISA: Filamin A Antibody (4E10-1B2) [H00002316-M01] - Filamin A Antibody (4E10-1B2) [H00002316-M01] - Detection limit for recombinant GST tagged FLNA is approximately 0.03ng/ml as a capture antibody.



Publications

Marie-Lise J, Sana S, Zsombor K et al. Filamin A organizes γ -aminobutyric acid type B receptors at the plasma membrane. *Nat Commun.* 2023-01-03 [PMID: 36596803]

Donatella T, Genesio M, Federica M et al. Filamin A is required for somatostatin receptor type 5 expression and pasireotide-mediated signaling in pituitary corticotroph tumor cells. *Mol Cell Endocrinol.* 2021-01-08 [PMID: 33428965]

R C, E G, D T et al. The cytoskeleton actin binding protein filamin A impairs both IGF2 mitogenic effects and the efficacy of IGF1R inhibitors in adrenocortical cancer cells. *Cancer Lett.* 2020-10-16 [PMID: 33075426]

Peeverelli E, Giardino E, Treppiedi D et al. A novel pathway activated by somatostatin receptor type 2 (SST2): Inhibition of pituitary tumor cell migration and invasion through cytoskeleton protein recruitment. *Int J Cancer* 2017-12-11 [PMID: 29226331]

Gay O, Gilquin B, Assard N et al. Refilins are short-lived Actin-bundling proteins that regulate lamellipodium protrusion dynamics. *Biol Open* 2016-10-15 [PMID: 27744291]

Mingione A, Verdelli C, Ferrero S et al. Filamin A is reduced and contributes to the CASR sensitivity in human parathyroid tumors. *J Mol Endocrinol* 2016-11-21 [PMID: 27872158]

Vitali E, Cambiaghi V, Zerbi A et al. Filamin-A is required to mediate SST2 effects in pancreatic neuroendocrine tumours. *Endocr Relat Cancer* 2016-03-01 [PMID: 26733502]

Peeverelli E, Mantovani G, Vitali E et al. Filamin-A Is Essential for Dopamine D2 Receptor Expression and Signaling in Tumorous Lactotrophs. *J Clin Endocrinol Metab.* 2012-01-18 [PMID: 22259062]

Oegema R, Hulst JM, Theuns-Valks SD et al. Novel no-stop FLNA mutation causes multi-organ involvement in males. *Am J Med Genet A.* 2013-07-19 [PMID: 23873601]

Sakane A, Alamir Mahmoud Abdallah A, Nakano K et al. Junctional Rab13-binding protein (JRAB) regulates cell spreading via filamins. *Genes Cells* 2013-07-25 [PMID: 23890175]

Peeverelli E, Giardino E, Treppiedi D et al. Filamin A (FLNA) plays an essential role in somatostatin receptor 2 (SST2) signaling and stabilization after agonist stimulation in human and rat somatotroph tumor cells. *Endocrinology.* 2014-05-14 [PMID: 24828612]

Parrini E, Mei D, Pisanti MA et al. Familial periventricular nodular heterotopia, epilepsy and Melnick-Needles Syndrome caused by a single FLNA mutation with combined gain-of-function and loss-of-function effects. *J Med Genet.* 2015-03-19 [PMID: 25755106]

More publications at <http://www.novusbio.com/H00002316-M01>



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Products Related to H00002316-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00002316-P01-10ug	Recombinant Human Filamin A GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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