

PFN2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant PFN2.

Catalog # AT3274a

Product Information

Application	WB, E
Primary Accession	P35080
Other Accession	NM_002628
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5F11
Calculated MW	15046

Additional Information

Gene ID	5217
Other Names	Profilin-2, Profilin II, PFN2
Target/Specificity	PFN2 (NP_002619, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PFN2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

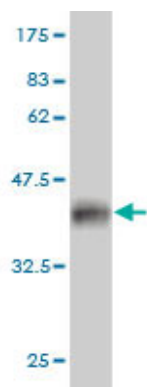
The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging to the profilin family. It is thought to regulate actin polymerization in response to extracellular signals. There are two alternatively spliced transcript variants encoding different isoforms described for this gene.

References

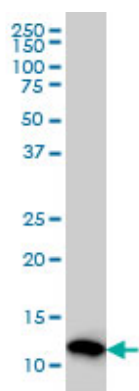
Phosphorylation of profilin by ROCK1 regulates polyglutamine aggregation. Shao J, et al. Mol Cell Biol, 2008 Sep. PMID 18573880. Identification of Rgl3 as a potential binding partner for Rap-family small G-proteins and profilin II. Xu J, et al. Cell Signal, 2007 Jul. PMID 17382517. A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070. Profilin regulates

the activity of p42POP, a novel Myb-related transcription factor. Lederer M, et al. J Cell Sci, 2005 Jan 15. PMID 15615774. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

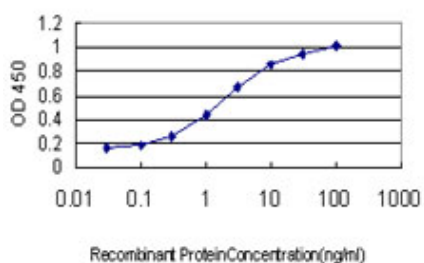
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



PFN2 monoclonal antibody (M04), clone 5F11 Western Blot analysis of PFN2 expression in HeLa ((Cat # AT3274a)



Detection limit for recombinant GST tagged PFN2 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.