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PFN2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16001b

Product Information

Application	WB, E
Primary Accession	P35080
Other Accession	Q9EPC6, Q9JJV2, Q4R4P8, Q09430, NP_444252.1, NP_002619.1
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35265
Calculated MW	15046
Antigen Region	110-139

Additional Information

Gene ID	5217
Other Names	Profilin-2, Profilin II, PFN2
Target/Specificity	This PFN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 110-139 amino acids from the C-terminal region of human PFN2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PFN2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PFN2
Function	Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation

of IP3 and DG.

Cellular Location Cytoplasm, cytoskeleton.

Tissue Location Highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver

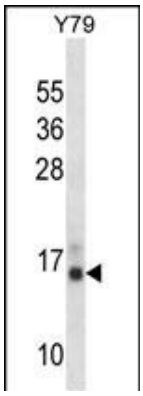
Background

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

Shao, J., et al. Mol. Cell. Biol. 28(17):5196-5208(2008)
Rikova, K., et al. Cell 131(6):1190-1203(2007)
Xu, J., et al. Cell. Signal. 19(7):1575-1582(2007)
Stelzl, U., et al. Cell 122(6):957-968(2005)
Lederer, M., et al. J. Cell. Sci. 118 (PT 2), 331-341 (2005) :

Images



PFN2 Antibody (C-term) (Cat. #AP16001b) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the PFN2 antibody detected the PFN2 protein (arrow).

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