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PFN2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16001b

Specification

PFN2 Antibody (C-term) - 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**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**15046**
Antigen Region	**110-139**

PFN2 Antibody (C-term) - 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

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.

PFN2 Antibody (C-term) - 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.

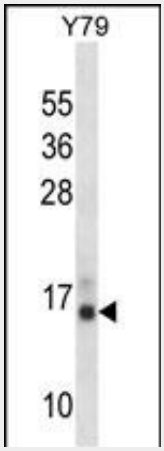
Tissue Location
Highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver

PFN2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PFN2 Antibody (C-term) - 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).

PFN2 Antibody (C-term) - 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.

PFN2 Antibody (C-term) - References

Shao, J., et al. Mol. Cell. Biol. 28(17):5196-5208(2008)
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Xu, J., et al. Cell. Signal. 19(7):1575-1582(2007)
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Lederer, M., et al. J. Cell. Sci. 118 (PT 2), 331-341 (2005) :