PFN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PFN1, Polyclonal Antibody
Full Product Name	PFN1 Rabbit pAb
Product Gene Name	anti-PFN1 antibody
Product Synonym Names	ALS18
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	16kDa
OMIM	176610
3D Structure	ModBase 3D Structure for P07737
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human PFN1 (NP_005013.1).
Cellular Localization	Cytoplasm, Cytoskeleton
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PFN1 antibody	Western Blot (WB)
Application Notes for anti-PFN1 antibody	WB: 1:500-1:2000
Related Product Information for anti-PFN1 antibody	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. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR.
Other Notes	Small volumes of anti-PFN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PFN1 purchase	MBS8544276 is an antibody targeting PFN1. Also known as PFN1 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PFN1. It may not necessarily be applicable to this product.

NCBI GI #	4826898
NCBI GeneID	5216

NCBI Accession #	NP_005013.1
UniProt Primary Accession #	P07737
UniProt Related Accession #	P07737
GenBank Nucleotide #	NP_005013.1
NCBI Official Full Name	profilin-1
NCBI Official Synonym Full Names	profilin 1
NCBI Official Symbol	PFN1
NCBI Official Synonym Symbols	ALS18
UniProt Protein Name	Profilin-1
UniProt Synonym Protein Names	Epididymis tissue protein Li 184a; Profilin I
UniProt Gene Name	PFN1
UniProt Entry Name	PROF1_HUMAN
NCBI Protein Information	profilin-1
NCBI Summary for PFN1	This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1. [provided by RefSeq, Jul 2012]
Research Articles on PFN1	**1.** Study find that lower Pfn1 expression is associated with lower nuclear grade tumor and longer relapse-free survival in breast cancer (BC) cells.
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