PFDN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PFDN1, Polyclonal Antibody
Full Product Name	PFDN1 Conjugated Antibody
Product Gene Name	anti-PFDN1 antibody
Product Synonym Names	Prefoldin subunit 1; PFDN1; PFD1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total PFDN1 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	14,210 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (139624635..139682689, complement). Location: 5q31
OMIM	604897
3D Structure	ModBase 3D Structure for O60925
Immunogen	Synthesized peptide derived from internal of human PFDN1.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-PFDN1 antibody	Most Applications
Application Notes for anti-PFDN1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-PFDN1 antibody	Binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. Binds to nascent polypeptide chain and promotes folding in an environment in which there are many competing pathways for nonnative proteins.
Other Notes	Small volumes of anti-PFDN1 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 PFDN1 purchase	MBS9444538 is an antibody targeting PFDN1. Also known as PFDN1 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PFDN1. It may not necessarily be applicable to this product.

NCBI GI #	21536449
NCBI GeneID	5201
NCBI Accession #	NP_002613.2
UniProt Primary Accession #	O60925
UniProt Secondary Accession #	Q53F95; Q96EX6; B2RD02
UniProt Related Accession #	O60925
GenBank Nucleotide #	NM_002622.4
NCBI Official Full Name	prefoldin subunit 1
NCBI Official Synonym Full Names	prefoldin subunit 1
NCBI Official Symbol	PFDN1
NCBI Official Synonym Symbols	PDF; PFD1
UniProt Protein Name	Prefoldin subunit 1
Protein Family	Prefoldin
UniProt Gene Name	PFDN1
UniProt Synonym Gene Names	PFD1
UniProt Entry Name	PFD1_HUMAN
NCBI Protein Information	prefoldin subunit 1; prefoldin 1
NCBI Summary for PFDN1	This gene encodes a member of the prefoldin beta subunit family. The encoded protein is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. The complex, consisting of two alpha and four beta subunits, forms a double beta barrel assembly with six protruding coiled-coils. [provided by RefSeq, Jul 2008]
UniProt Comments for PFDN1	PFDN1: Binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. Binds to nascent polypeptide chain and promotes folding in an environment in which there are many competing pathways for nonnative proteins. Belongs to the prefoldin subunit beta family. Protein type: Chaperone Chromosomal Location of Human Ortholog: 5q31 Cellular Component: prefoldin complex Molecular Function: unfolded protein binding; transcription factor activity Biological Process: 'de novo' posttranslational protein folding; telencephalon development; cellular protein metabolic process; B cell activation; regulation of transcription, DNA-dependent; protein folding; cerebellum development; actin cytoskeleton organization and biogenesis; cell cycle
Research Articles on PFDN1	**1.** antagonistic actions of PhLP3 and prefoldin serve to modulate CCT activity and play a key role in establishing a functional cytoskeleton in vivo
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