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PFDN4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19024a

Product Information

Application	WB, E
Primary Accession	Q9NQP4
Other Accession	Q2TBR6, NP_002614.2
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39615
Calculated MW	15314
Antigen Region	4-32

Additional Information

Gene ID	5203
Other Names	Prefoldin subunit 4, Protein C-1, PFDN4, PFD4
Target/Specificity	This PFDN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-32 amino acids from the N-terminal region of human PFDN4.
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	PFDN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PFDN4
Synonyms	PFD4
Function	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.

Cellular Location Nucleus. Cytoplasm. Mitochondrion

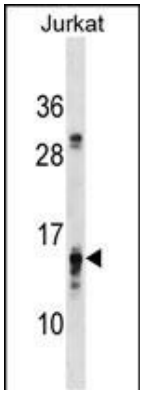
Background

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.

References

Simons, C.T., et al. J. Biol. Chem. 279(6):4196-4203(2004)
Martin-Benito, J., et al. EMBO J. 21(23):6377-6386(2002)
Hartl, F.U., et al. Science 295(5561):1852-1858(2002)
Deloukas, P., et al. Nature 414(6866):865-871(2001)
Cowan, N.J., et al. Nat. Struct. Biol. 6(11):990-991(1999)

Images



PFDN4 Antibody (N-term) (Cat. #AP19024a) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PFDN4 antibody detected the PFDN4 protein (arrow).

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