

# PFDN4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19024a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9NOP4</a>
<b>Other Accession</b>	<a href="#">Q2TBR6</a> , <a href="#">NP_002614.2</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB39615
<b>Calculated MW</b>	15314
<b>Antigen Region</b>	4-32

## Additional Information

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<b>Gene ID</b>	5203
<b>Other Names</b>	Prefoldin subunit 4, Protein C-1, PFDN4, PFD4
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PFDN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PFDN4
<b>Synonyms</b>	PFD4
<b>Function</b>	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

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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.

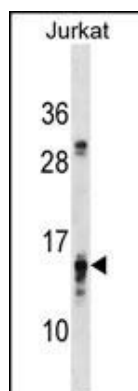
## References

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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

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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'.