

For Research Use Only

PFDN4 Polyclonal antibody

Catalog Number: 16045-1-AP **2 Publications**



Basic Information

Catalog Number: 16045-1-AP	GenBank Accession Number: BC010953	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 5203	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NQP4	
Isotype: IgG	Full Name: prefoldin subunit 4	
Immunogen Catalog Number: AG8938	Calculated MW: 134 aa, 15 kDa	
	Observed MW: 15-20 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : MCF-7 cells, Raji cells, THP-1 cells IHC : human breast cancer tissue,
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The human PFDN4, prefoldin 4, is a subunit of the heterohexameric chaperone protein and belongs to the prefoldin 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. Previous reports have shown that PFDN4 is upregulated in breast cancer cell lines and tumor tissues (PMID: 11381030; PMID: 9630229). PFDN4 expression may be a prognostic factor in colorectal cancer (PMID: 20552408).

Notable Publications

Author	Pubmed ID	Journal	Application
Fumihiko Urabe	32494663	Sci Adv	WB
Chengwei Chen	38835051	Biomark Res	WB,IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

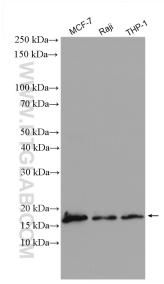
T: 4006900926

E: Proteintech-CN@ptglab.com

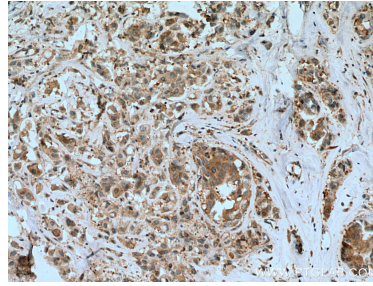
W: ptgcn.com

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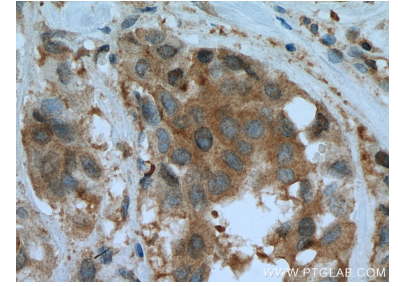
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16045-1-AP (PFDN4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16045-1-AP (PFDN4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16045-1-AP (PFDN4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).