

For Research Use Only

PDIR Polyclonal antibody

Catalog Number: 29593-1-AP **1 Publications**



Basic Information

Catalog Number: 29593-1-AP	GenBank Accession Number: BC001625	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 10954	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q14554	
Isotype: IgG	Full Name: protein disulfide isomerase family A, member 5	
Immunogen Catalog Number: AG31479	Calculated MW: 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, IF	WB: HeLa cells, L02 cells, HepG2 cells, mouse liver tissue, rat liver tissue
Species Specificity: Human, Mouse, Rat	IHC: human placenta tissue,
Cited Species: human	
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

PDIR (Protein disulfide isomerase-related protein), also known as PDIA5 (Protein Disulfide Isomerase Family A Member 5), is a member of the PDI gene family and also exhibits chaperone-like activity. PDIR protein is correlated with immune infiltration, which is highly expressed in glioma and participates in glioma progression (PMID: 33664747). PDIR contributes to disulfide bond rearrangement in ATF6 α under stress conditions that necessary for ATF6 α activation upon ER stress (PMID: 24636989).

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Chen	36003400	Front Immunol	WB, IF

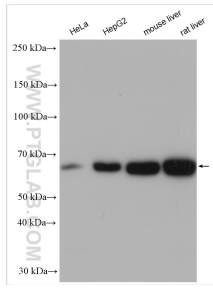
Storage

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

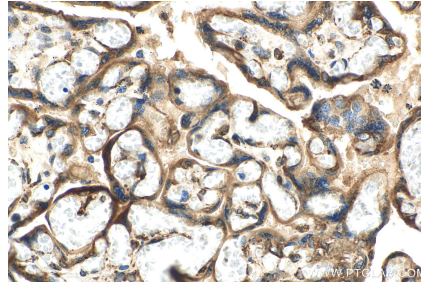
For technical support and original validation data for this product please contact:
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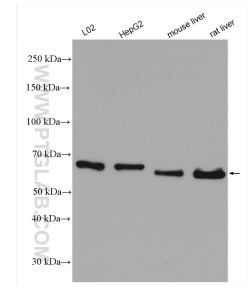
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29593-1-AP (PDIR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 29593-1-AP (PDIR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 29593-1-AP (PDIR antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.