

ERp72 Monoclonal antibody

Catalog Number: 66365-1-Ig 4 Publications

Basic Information

Catalog Number: 66365-1-Ig	GenBank Accession Number: BC000425	Purification Method: Protein G purification
Size: 150ul , Concentration: 930 µg/ml by Nanodrop and 480 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9601	CloneNo.: 1D5F3
Source: Mouse	Full Name: protein disulfide isomerase family A, member 4	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgG1	Calculated MW: 73 kDa	
Immunogen Catalog Number: AG6873	Observed MW: 72 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : A431 cells, JAR cells, HEK-293 cells IHC : human liver cancer tissue,
Cited Applications: IF, WB	
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

PDIA4 (Protein disulfide-isomerase A4) is also named ERP70, ERP72, and belongs to the protein disulfide isomerase family. It catalyzes the rearrangement of -S-S- bonds in proteins. ERp72 is a soluble protein localized in the ER lumen and contains the COOH-terminal retention signal, KEEL. There are 6 cysteine residues in the amino acid sequences of mouse and human ERp72. All of the cysteine residues occur in the internal thioredoxin motif, CGHC(PMID:15475357). The full-length protein has a signal peptide with 20 amino acids.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenjie Hu	34109212	Front Mol Biosci	IF
Jia Song	30606233	J Exp Clin Cancer Res	IF
Jing Liao	33813851	Hypertension	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.

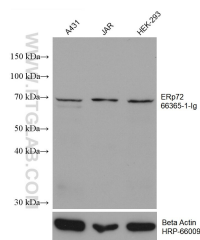
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

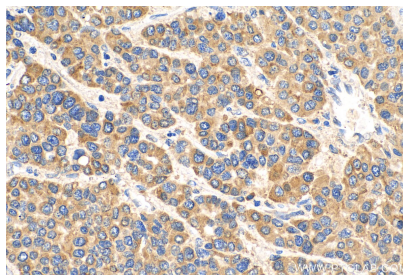
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66365-1-Ig (ERp72 antibody) at dilution of 1:4900 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66365-1-Ig (ERp72 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).