

ERp72 Monoclonal antibody, PBS Only

Catalog Number: 66365-1-PBS

Basic Information

Catalog Number: 66365-1-PBS	GenBank Accession Number: BC000425	Purification Method: Protein G purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9601	CloneNo.: 1D5F3
Source: Mouse	UNIPROT ID: P13667	
Isotype: IgG1	Full Name: protein disulfide isomerase family A, member 4	
Immunogen Catalog Number: AG6873	Calculated MW: 73 kDa	
	Observed MW: 72 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

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.

Storage

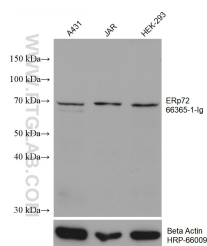
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

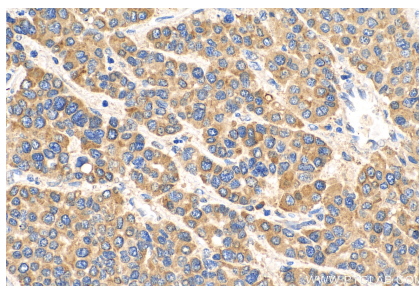
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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. This data was developed using the same antibody clone with 66365-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66365-1-PBS in a different storage buffer formulation.