

ERP29 Monoclonal antibody, PBS Only

Catalog Number: 67675-1-PBS

Basic Information

Catalog Number: 67675-1-PBS	GenBank Accession Number: BC101495	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 10961	CloneNo.: 1H8B2
Source: Mouse	UNIPROT ID: P30040	
Isotype: IgG2a	Full Name: endoplasmic reticulum protein 29	
Immunogen Catalog Number: AG30262	Calculated MW: 261 aa, 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF

Species Specificity:
Human, Mouse, Rat

Background Information

Endoplasmic reticulum resident protein 29 (ERP29) is a 29-kDa endoplasmic reticulum (ER) luminal protein. Structurally ERP29 is related to protein disulfide isomerases (PDI). However, it lacks the thioredoxin motif, suggesting that this protein does not function as a disulfide isomerase (PMID: 15500441). ERP29 plays an important role in the processing of secretory proteins within the (ER), possibly by participating in the folding of proteins in the ER. The secretion of thyroglobulin (TG) was found to be strongly regulated by ERP29 (PMID: 16380091).

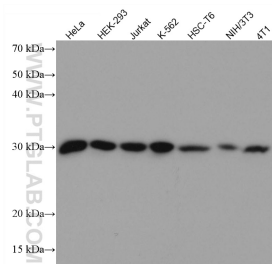
Storage

Storage:
Store at -80°C.

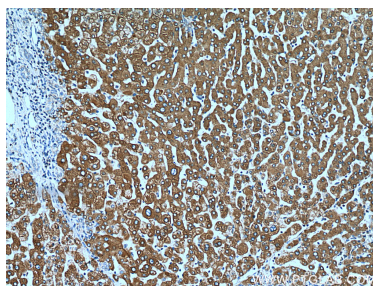
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

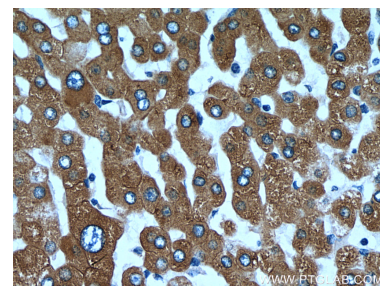
Selected Validation Data



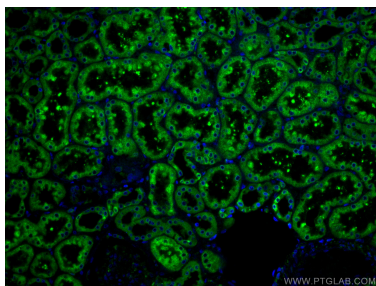
Various lysates were subjected to SDS PAGE followed by western blot with 67675-1-Ig (ERP29 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67675-1-PBS in a different storage buffer formulation.



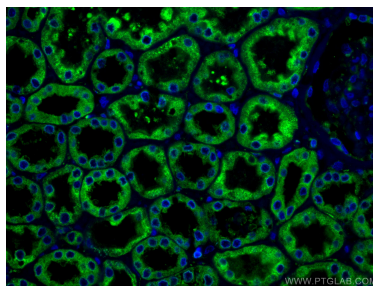
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67675-1-Ig (ERP29 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67675-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67675-1-Ig (ERP29 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67675-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using ERP29 antibody (67675-1-Ig, Clone: 1H8B2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67675-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using ERP29 antibody (67675-1-Ig, Clone: 1H8B2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67675-1-PBS in a different storage buffer formulation.