

For Research Use Only

Cytoglobin Monoclonal antibody, PBS Only



Catalog Number: 60228-1-PBS

Basic Information

Catalog Number: 60228-1-PBS	GenBank Accession Number: BC029798	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 114757	CloneNo.: 4C7E11
Source: Mouse	UNIPROT ID: Q8WWM9	
Isotype: IgG1	Full Name: cytoglobin	
Immunogen Catalog Number: AG4161	Calculated MW: 190 aa, 21 kDa	
	Observed MW: 27-29 kDa	

Applications

Tested Applications:
WB, IHC, IF, ELISA

Species Specificity:
human, mouse, pig, rat

Background Information

Cytoglobin is a ubiquitously expressed hexacoordinate hemoglobin that may facilitate diffusion of oxygen through tissues. The protein, with calculated MW of 21 kDa, runs as a 29 kDa one in canine retina, kidney, liver, lung, and heart. It may be caused by posttranslational modification of the protein. Various immuno-staining patterns were reported including nuclear, cytoplasm and extracellular location.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only

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

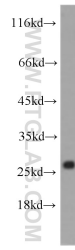
T: 4006900926

E: Proteintech-CN@ptglab.com

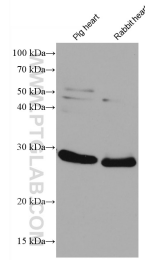
W: ptgcn.com

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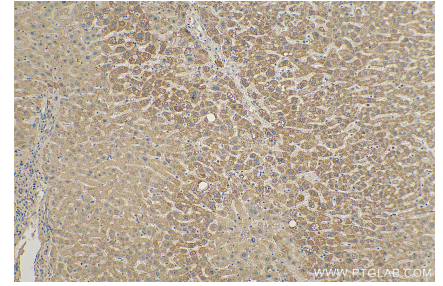
Selected Validation Data



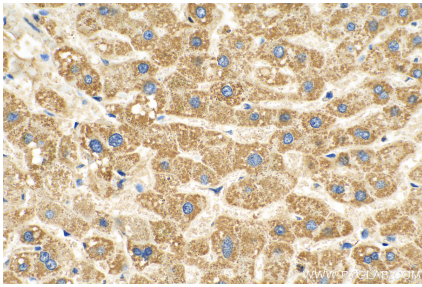
human heart tissue were subjected to SDS PAGE followed by western blot with 60228-1-Ig (Cytoglobin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60228-1-PBS in a different storage buffer formulation.



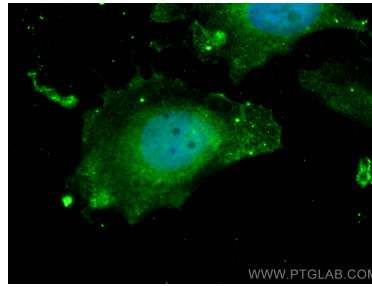
Various lysates were subjected to SDS PAGE followed by western blot with 60228-1-Ig (Cytoglobin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60228-1-PBS in a different storage buffer formulation.



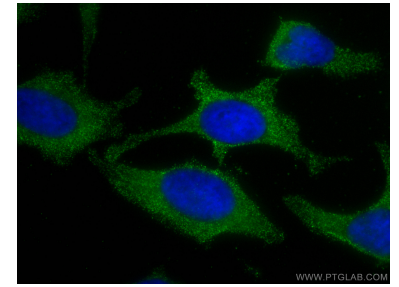
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 60228-1-Ig (Cytoglobin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60228-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 60228-1-Ig (Cytoglobin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60228-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Cytoglobin antibody (60228-1-Ig, Clone: 4C7E11) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60228-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Cytoglobin antibody (60228-1-Ig, Clone: 4C7E11) 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 60228-1-PBS in a different storage buffer formulation.