

For Research Use Only

Cytoglobin Monoclonal antibody

Catalog Number: 60228-1-Ig **4 Publications**



Basic Information

Catalog Number: 60228-1-Ig	GenBank Accession Number: BC029798	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 114757	CloneNo.: 4C7E11
Source: Mouse	UNIPROT ID: Q8WWM9	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800 IF/ICC 1:200-1:800
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/ICC, ELISA	Positive Controls:
Cited Applications: WB, IF, IP	WB : Human heart, pig heart tissue, human heart tissue, Transfected HEK-293 cells, rabbit heart tissue
Species Specificity: human, mouse, rat, pig	IHC : human liver tissue, human heart tissue, human bladder tissue
Cited Species: human, mouse	IF/ICC : HeLa cells,
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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Shazhou Ye	33611811	J Cell Mol Med	WB
Peng Zhou	35397613	Cell Death Dis	WB,IF
Chengjiang Fan	39503803	Mol Cell Biochem	WB,IP,IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

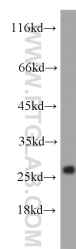
T: 4006900926

E: Proteintech-CN@ptglab.com

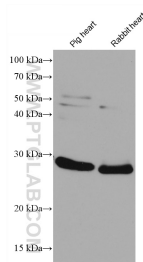
W: ptgcn.com

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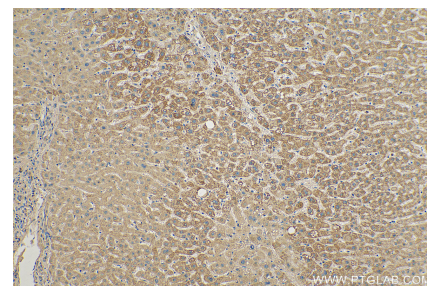
Selected Validation Data



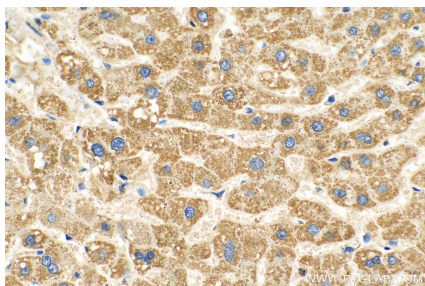
human heart tissue were subjected to SDS PAGE followed by western blot with 60228-1-Ig (Cytoglobin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



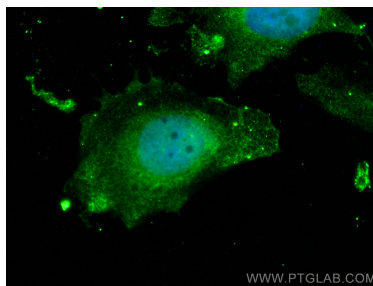
Various lysates were subjected to SDS PAGE followed by western blot with 60228-1-Ig (Cytoglobin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



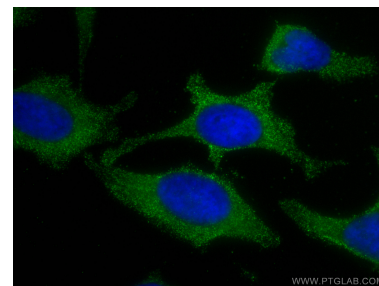
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 60228-1-Ig (Cytoglobin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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).