

For Research Use Only

# EPO/Erythropoietin Monoclonal antibody

Catalog Number: 66975-1-Ig 4 Publications



## Basic Information

Catalog Number: 66975-1-Ig	GenBank Accession Number: BC093628	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop;	GeneID (NCBI): 2056	CloneNo.: 1A11F3
Source: Mouse	UNIPROT ID: P01588	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: erythropoietin	
Immunogen Catalog Number: AG23054	Calculated MW: 193 aa, 21 kDa	

## Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : recombinant human EPO (cat.NO. HZ-1168), IHC : human liver tissue, IF/ICC : HeLa cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Erythropoietin (Epo) is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. Its effect is realized by binding erythropoietin receptor (EpoR) expressed on erythroid progenitor cells. EpoR, is a glycoprotein expressed on megakaryocytes, erythroid progenitors and endothelial cells. Epo also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types.

## Notable Publications

Author	Pubmed ID	Journal	Application
Takeshi Ike	36074918	Am J Physiol Renal Physiol	WB
Meng Wang	34268128	Front Oncol	WB
Hari Prasad Osuru	35928940	Front Cardiovasc Med	WB

## Storage

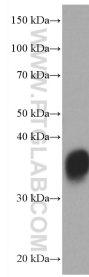
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

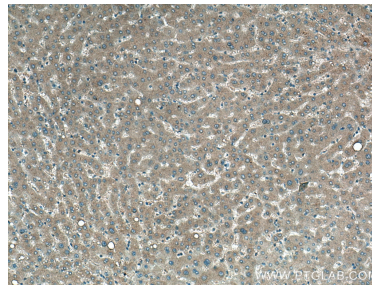
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

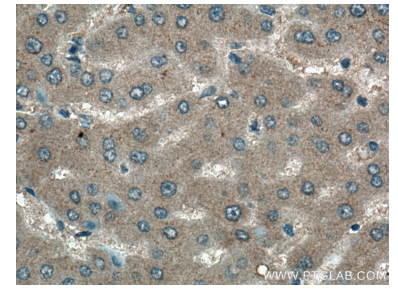
## Selected Validation Data



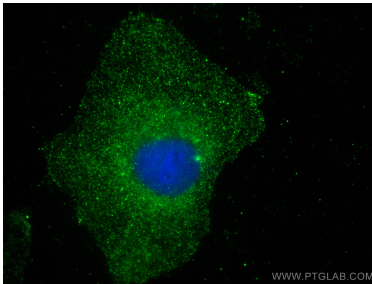
50 ng recombinant human EPO (cat.NO. HZ-1168) was subjected to SDS-PAGE under reducing condition followed by western blot with 66975-1-Ig (EPO antibody) at dilution of 1:10000.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66975-1-Ig (EPO/Erythropoietin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66975-1-Ig (EPO/Erythropoietin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using EPO antibody (66975-1-Ig, Clone: 1A11F3 ) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).