

For Research Use Only

# EPO Monoclonal antibody, PBS Only

Catalog Number: 66975-1-PBS



## Basic Information

<b>Catalog Number:</b> 66975-1-PBS	<b>GenBank Accession Number:</b> BC093628	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2056	<b>CloneNo.:</b> 1A11F3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01588	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> erythropoietin	
<b>Immunogen Catalog Number:</b> AG23054	<b>Calculated MW:</b> 193 aa, 21 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC

**Species Specificity:**  
Human, mouse

## 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.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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

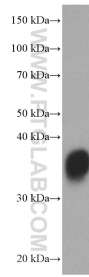
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

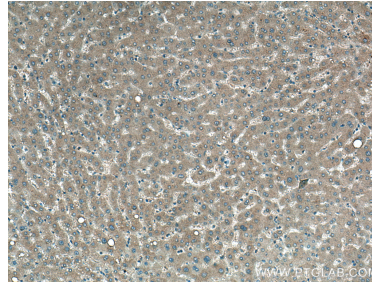
W: [ptgcn.com](http://ptgcn.com)

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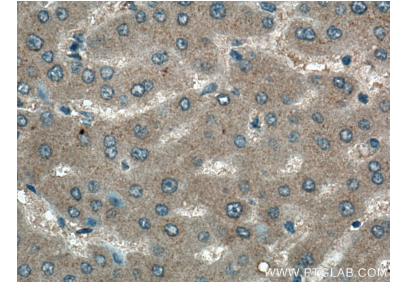
## Selected Validation Data



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. This data was developed using the same antibody clone with 66975-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66975-1-Ig (EPO antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66975-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66975-1-Ig (EPO antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66975-1-PBS in a different storage buffer formulation.