

For Research Use Only

EPO Monoclonal ANTIBODY



Catalog Number: 66975-1-Ig

Basic Information

Catalog Number: 66975-1-Ig	GenBank Accession Number: BC093628	Purification Method: Protein A purification
Size: 150UL, Concentration: 1000 µg/ml by 2056 Bradford method using BSA as the standard;	GeneID (NCBI): 2056	CloneNo.: 1A11F3
Source: Mouse	Full Name: erythropoietin	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG2a	Calculated MW: 193 aa, 21 kDa	
Immunogen Catalog Number: AG23054		

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: recombinant human EPO (cat.NO. HZ-1168),

IHC: human liver tissue, mouse kidney tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

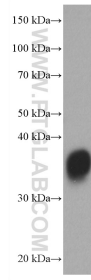
For technical support and original validation data for this product please contact:

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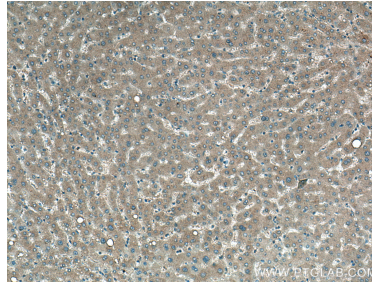
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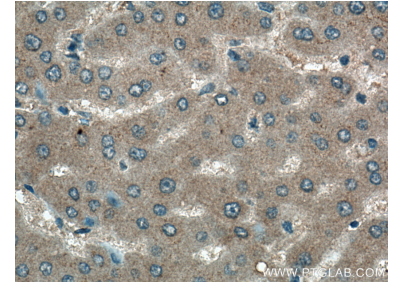
Selected Validation Data



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.



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).



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).