

For Research Use Only

EPO/Erythropoietin Monoclonal antibody, PBS Only

Catalog Number: 66975-1-PBS



Basic Information

Catalog Number: 66975-1-PBS	GenBank Accession Number: BC093628	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2056	CloneNo.: 1A11F3
Source: Mouse	UNIPROT ID: P01588	
Isotype: IgG2a	Full Name: erythropoietin	
Immunogen Catalog Number: AG23054	Calculated MW: 193 aa, 21 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

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

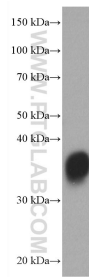
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

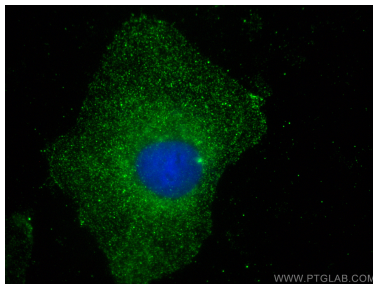
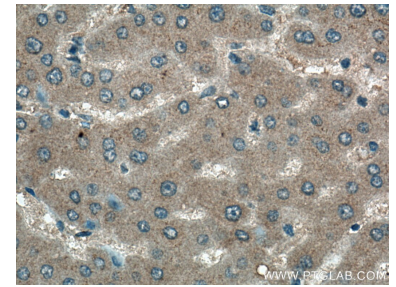
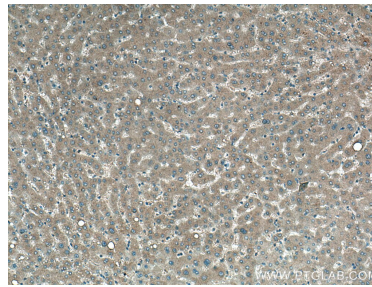
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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