

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66975-1-Ig	<b>GenBank-Zugangsnummer:</b> BC093628	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1500 µg/ml von2056 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 2056	<b>CloneNo.:</b> 1A11F3
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> erythropoietin	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:50-1:500
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 193 aa, 21 kDa	
<b>Immunogen Katalognummer:</b> AG23054		

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : rekombinantes humanes EPO (Kat.-Nr. HZ-1168), IHC : humanes Lebergewebe, Mausnierengewebe
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human, Maus	
<b>Zitierte Arten:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

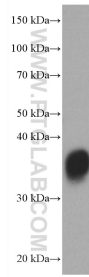
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

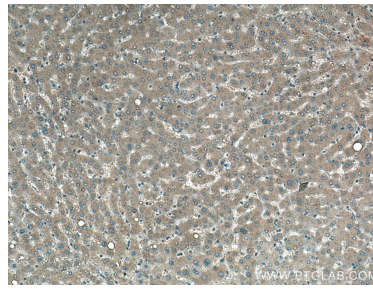
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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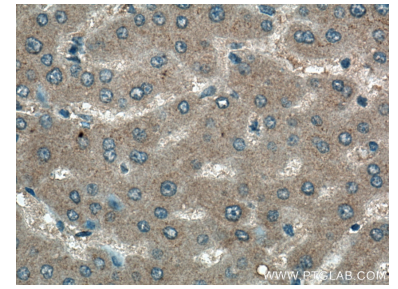
## Ausgewählte Validierungsdaten



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).