

For Research Use Only

EPO Polyclonal antibody

Catalog Number: 17908-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 17908-1-AP	GenBank Accession Number: BC093628	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2056	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: erythropoietin	
Isotype: IgG	Calculated MW: 193 aa, 21 kDa	
Immunogen Catalog Number: AG12302	Observed MW: 37 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells,
Cited Applications: IHC, WB	
Species Specificity: human	
Cited Species: 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. Erythropoietin (Epo) is a 166 amino acids protein containing three N-glycosylation sites (Asn-24, Asn-38, and Asn-83) and 1 O- glycosylation site (Ser-126) and involved in the regulation of the level of red blood cells. 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
Changjing Huang	34899826	Front Genet	IHC
Debbra Y Knorr	37168680	Front Mol Neurosci	WB

Storage

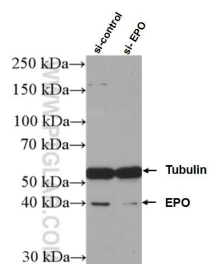
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



WB result of EPO antibody (17908-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-EPO transfected HEK-293 cells.