

For Research Use Only

EPO Polyclonal antibody

Catalog Number: 17908-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

17908-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12302

GenBank Accession Number:

BC093628

GeneID (NCBI):

2056

UNIPROT ID:

P01588

Full Name:

erythropoietin

Calculated MW:

193 aa, 21 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells,

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
Debra 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

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

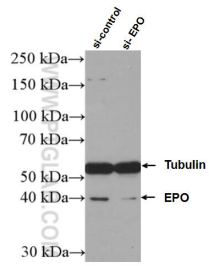
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.