

For Research Use Only

EPOR Polyclonal antibody

Catalog Number: 55308-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 55308-1-AP	GenBank Accession Number: NM_000121	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 447 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2057	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: erythropoietin receptor	
Isotype: IgG	Calculated MW: 55 kDa	
	Observed MW: 66 kDa, 78 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, Jurkat cells, K-562 cells, mouse liver tissue
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

Erythropoietin (EPO) receptor (EPOR) is a glycoprotein that belongs to the type I superfamily of single-transmembrane cytokine receptors. It consists of an extracellular domain that binds to the EPO ligand, a transmembrane domain and an intracellular domain. The interaction of EPO and EPOR triggers the activation of several signaling pathways that induce erythropoiesis, including JAK2/STAT5, PI3K/AKT, and MAPK (PMID: 34281163). EPOR is present on erythroid progenitor cells and has also been detected on a wide variety of non-hematopoietic cells (PMID: 36233351). The calculated molecular weight of EPOR is 55 kDa. EPOR undergoes posttranslational modification and the apparent molecular weight of 66-78 kDa has been reported (PMID: 8943308; 12088257).

Notable Publications

Author	Pubmed ID	Journal	Application
Jin Fan	37663284	PeerJ	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

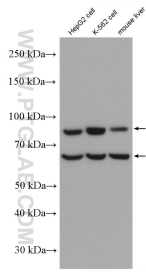
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

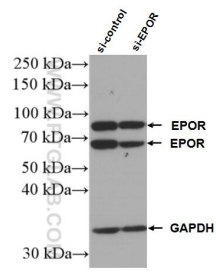
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 55308-1-AP (EPOR antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of EPOR antibody (55308-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EPOR transfected Jurkat cells.