

For Research Use Only

# EPOR Recombinant antibody

Catalog Number: 85901-1-RR



## Basic Information

Catalog Number:	85901-1-RR	GenBank Accession Number:	NM_010149.3	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	13857	CloneNo.:	250056D4
Source:	Rabbit	UNIPROT ID:	P14753-1	Recommended Dilutions:	WB 1:500-1:2000
Isotype:	IgG	Full Name:	erythropoietin receptor		
Immunogen Catalog Number:	EG2711	Calculated MW:	55 kDa		
		Observed MW:	73 kDa		

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: mouse serum,
Species Specificity:	

mouse

## 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).

## Storage

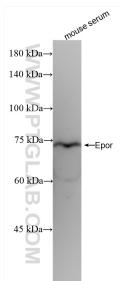
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85901-1-RR (EPOR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.