

For Research Use Only

Mouse EPOR Recombinant antibody, PBS Only

Catalog Number: 85901-1-PBS



Basic Information

Catalog Number:	85901-1-PBS	GenBank Accession Number:	NM_010149.3	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	13857	CloneNo.:	250056D4
Source:	Rabbit	UNIPROT ID:	P14753-1		
Isotype:	IgG	Full Name:	erythropoietin receptor		
Immunogen Catalog Number:	EG2711	Calculated MW:	55 kDa		
		Observed MW:	73 kDa		

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

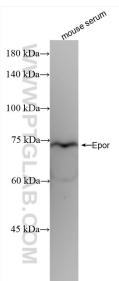
Storage Buffer:

PBS only, pH7.3

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
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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. This data was developed using the same antibody clone with 85901-1-PBS in a different storage buffer formulation.