

For Research Use Only

EPOR Polyclonal antibody

Catalog Number: 30766-1-AP



Basic Information

Catalog Number: 30766-1-AP	GenBank Accession Number: NM_000121.4	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 2057	Recommended Dilutions: WB 1:1000-1:5000
Source: Rabbit	UNIPROT ID: P19235	
Isotype: IgG	Full Name: erythropoietin receptor	
Immunogen Catalog Number: AG33956	Calculated MW: 55 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human placenta tissue, mouse kidney tissue, mouse spleen tissue
Species Specificity: Human, 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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

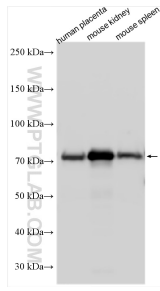
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30766-1-AP (EPOR antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.