

For Research Use Only

EPOR Recombinant antibody

Catalog Number: 85901-1-RR



Basic Information

Catalog Number:

85901-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2711

GenBank Accession Number:

NM_010149.3

GeneID (NCBI):

13857

UNIPROT ID:

P14753-1

Full Name:

erythropoietin receptor

Calculated MW:

55 kDa

Observed MW:

73 kDa

Purification Method:

Protein A purification

CloneNo.:

250056D4

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : mouse serum,

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:

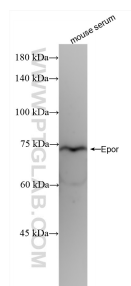
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E: Proteintech-CN@ptglab.com

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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.