

For Research Use Only

# EPOR Polyclonal antibody

Catalog Number: 55308-1-AP

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

55308-1-AP

**Size:**

447 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000121

**GeneID (NCBI):**

2057

**UNIPROT ID:**

P19235

**Full Name:**

erythropoietin receptor

**Calculated MW:**

55 kDa

**Observed MW:**

66 kDa, 78 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human

**Positive Controls:**

WB : HepG2 cells, Jurkat cells, K-562 cells, mouse liver tissue

## 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

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

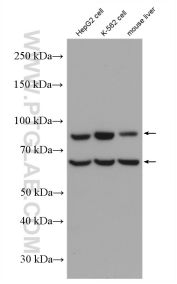
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

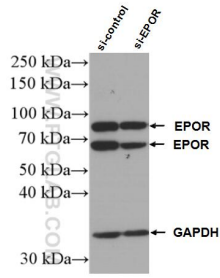
W: [ptgcn.com](http://ptgcn.com)

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## 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.