

For Research Use Only

# EPOR Polyclonal antibody

Catalog Number: 55308-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

55308-1-AP

### Size:

150ul, Concentration: 447 ug/ml by Bradford method using BSA as the standard;

### 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

\*\*\* 20ul sizes contain 0.1% BSA

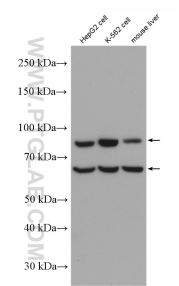
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

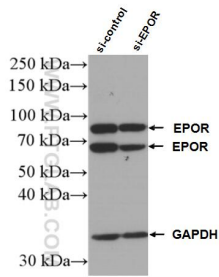
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Selected Validation Data



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.