

EpoR Polyclonal Antibody
Catalog # AP69780**Specification****EpoR Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P19235
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal

EpoR Polyclonal Antibody - Additional Information

Gene ID 2057

Other Names

EPOR; Erythropoietin receptor; EPO-R

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

EpoR Polyclonal Antibody - Protein Information**Name** EPOR {ECO:0000303|PubMed:2163695, ECO:0000312|HGNC:HGNC:3416}**Function**

Receptor for erythropoietin, which mediates erythropoietin- induced erythroblast proliferation and differentiation (PubMed: [10388848](http://www.uniprot.org/citations/10388848), PubMed: [2163695](http://www.uniprot.org/citations/2163695), PubMed: [2163696](http://www.uniprot.org/citations/2163696), PubMed: [8662939](http://www.uniprot.org/citations/8662939), PubMed: [9774108](http://www.uniprot.org/citations/9774108)). Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade (By similarity). In some cell types, can also activate STAT1 and STAT3 (PubMed: [11756159](http://www.uniprot.org/citations/11756159)). May also activate the LYN tyrosine kinase (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P14753}; Single-pass type I membrane protein

Tissue Location

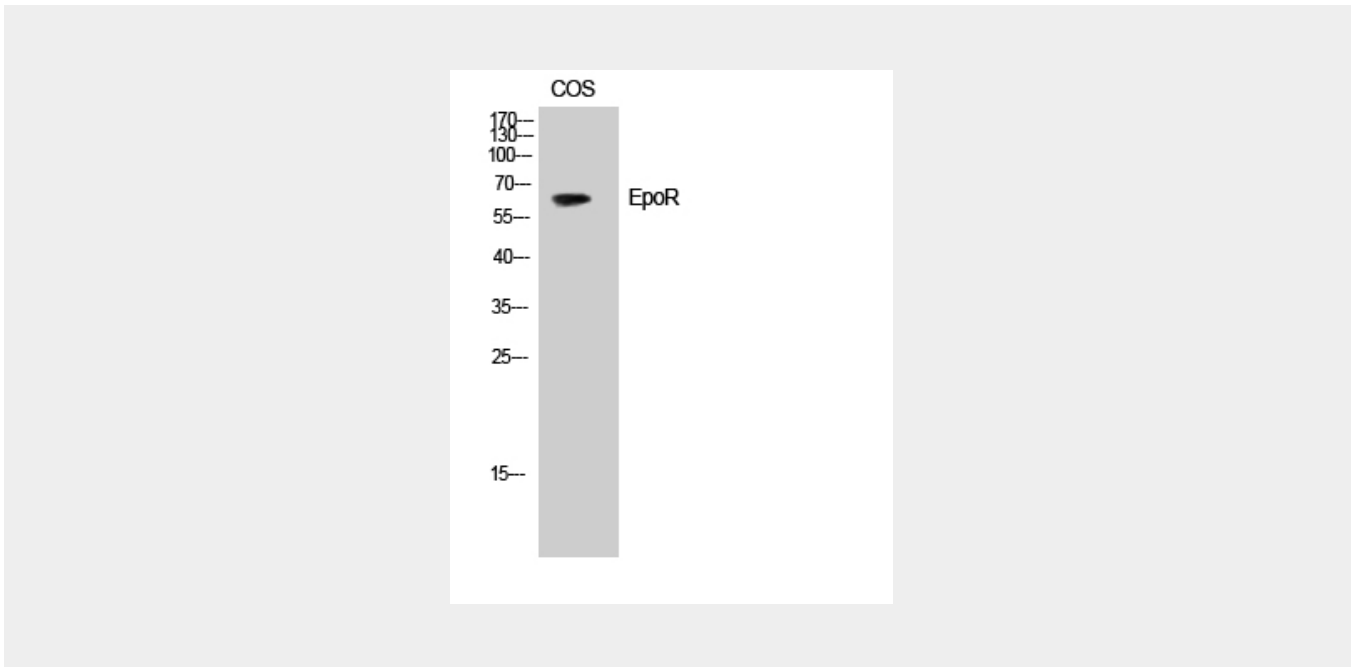
Erythroid cells and erythroid progenitor cells. [Isoform EPOR-S]: Isoform EPOR-S and isoform EPOR-T are the predominant forms in bone marrow.

EpoR Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EpoR Polyclonal Antibody - Images



EpoR Polyclonal Antibody - Background

Receptor for erythropoietin. Mediates erythropoietin- induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.