

# EpoR Polyclonal Antibody

Catalog # AP69780

## Product Information

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Application	WB, IF, ICC, E
Primary Accession	<a href="#">P19235</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55065

## Additional Information

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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. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	EPOR {ECO:0000303   PubMed:2163695, ECO:0000312   HGNC:HGNC:3416}
Function	Receptor for erythropoietin, which mediates erythropoietin- induced erythroblast proliferation and differentiation (PubMed: <a href="#">10388848</a> , PubMed: <a href="#">2163695</a> , PubMed: <a href="#">2163696</a> , PubMed: <a href="#">8662939</a> , PubMed: <a href="#">9774108</a> ). Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade (By similarity). In some cell types, can also activate STAT1 and STAT3 (PubMed: <a href="#">11756159</a> ). 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.

## Background

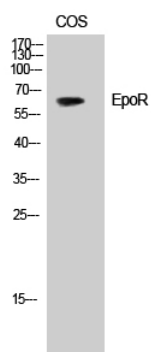
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Receptor for erythropoietin. Mediates erythropoietin- induced erythroblast proliferation and

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.

## Images

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Western Blot analysis of HepG2 cells using EpoR Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.