10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EpoR Polyclonal Antibody

Catalog # AP69780

Product Information

Application	WB, IF
Primary Accession	P19235
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55065

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

Protein Information

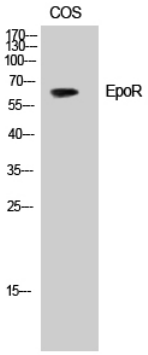
Name	EPOR {ECO:0000303|PubMed:2163695, ECO:0000312|HGNC:HGNC:3416}
Function	Receptor for erythropoietin, which mediates erythropoietin- induced erythroblast proliferation and differentiation (PubMed:10388848, PubMed:2163695, PubMed:2163696, PubMed:8662939, PubMed:9774108). Upon EPO stimulation, EPOR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

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



Western Blot analysis of HepG2 cells using EpoR Polyclonal Antibody