

EpoR Polyclonal Antibody

Catalog # AP69780

Product Information

Application WB, IF Primary Accession P19235

Reactivity Human, Mouse, Rat, Monkey

HostRabbitClonalityPolyclonalCalculated MW55065

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°C

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:<u>2163695</u>, PubMed:<u>2163696</u>, PubMed:<u>8662939</u>, PubMed:<u>9774108</u>). Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade (By similarity). In some cell types, can also activate STAT1 and STAT3 (PubMed:<u>11756159</u>). 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

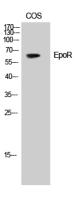
EPOR-S and isoform EPOR-T are the predominant forms in bone marrow.

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

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