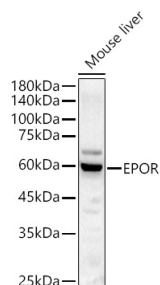
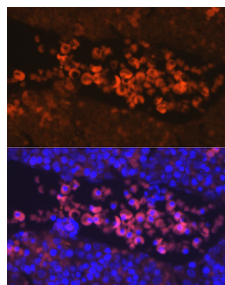


Cat. No:	AB-84737
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 400-500 of human EPOR
Reactivity:	Human, Rat, Mouse
Applications:	Western Blot: 1:500 - 1:1000 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200
Molecular Weight:	Observed Molecular Weight: 65kDa / Calculated Molecular Weight: 60KDa
Purification:	Affinity purification
Synonyms:	EPOR;EPO-R
Background:	This gene encodes the erythropoietin receptor which is a member of the cytokine receptor family. Upon erythropoietin binding, this receptor activates Jak2 tyrosine kinase which activates different intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. The stimulated erythropoietin receptor appears to have a role in erythroid cell survival. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. Dysregulation of this gene may affect the growth of certain tumors. Alternate splicing results in multiple transcript variants.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of Mouse liver, using EPOR antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus.



Immunofluorescence analysis of Mouse fetal using EPOR Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.

Exposure time: 60s.

References:

Product: EPOR Rabbit pAb
Journal: Transplantation Proceedings
Application: WB
IF: 1.066
Species: Rattus norvegicus
PMID: 26293027
Title: Pretreatment With Erythropoietin Attenuates Intestinal Ischemia Reperfusion Injury by Further Promoting PI3K/Akt Signaling Activation.

References:

Product: EPOR Rabbit pAb
Journal: Frontiers in surgery
Application: IHC
IF: 2.56
Species: Homo sapiens
PMID: 35983553
Title: Case Report: Myomatous erythrocytosis syndrome presenting as rapid growth of an extra-uterine mass – PMC

References:

Product: EPOR Rabbit pAb
Journal: Neuroreport
Application: WB, IF
IF: 1.7
Species: Homo sapiens
PMID: 35143447
Title: Recombinant human erythropoietin protects long-term cultured ageing primary nerve cells by upregulating the PI3K/Akt pathway