# antibodies .- online.com







## **EPOR Protein (His tag)**



#### Overview

Quantity:	50 µg
Target:	EPOR
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPOR protein is labelled with His tag.

#### **Product Details**

Purpose:	Recombinant Mouse EPO-R/Epor Protein
Sequence:	APSPSLPDPK FESKAALLAS RGSEELLCFT QRLEDLVCFW EEAASSGMDF NYSFSYQLEG
	ESRKSCSLHQ APTVRGSVRF WCSLPTADTS SFVPLELQVT EASGSPRYHR IIHINEVVLL
	DAPAGLLARR AEEGSHVVLR WLPPPGAPMT THIRYEVDVS AGNRAGGTQR VEVLEGRTEC
	VLSNLRGGTR YTFAVRARMA EPSFSGFWSA WSEPASLLTA SDLDP
Specificity:	Ala25-Pro249
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 μm filtered
Endotoxin Level:	< 0.1EU/µg

### **Target Details**

Target:	EPOR
Alternative Name:	EPO-R/Epor (EPOR Products)

## Target Details

rarget betails	
Background:	Description: Erythropoietin (EPO) is the major glycoprotein hormone regulator of mammalian
	erythropoiesis, and is produced by kidney and liver in an oxygen-dependent manner. The
	biological effects of EPO are mediated by the specific erythropoietin receptor (EPOR/EPO
	Receptor) on bone marrow erythroblasts, which transmits signals important for both
	proliferation and differentiation along the erythroid lineage. EPOR protein is a type a single-
	transmembrane cytokine receptor, and belongs to the homodimerizing subclass which
	functions as ligand-induced or ligand-stabilized homodimers. EPOR signaling prevents neurona
	death and ischemic injury. Recent studies have shown that EPO and EPOR protein may be
	involved in carcinogenesis, angiogenesis, and invasion.
	Name: EPO-R,Epor
Gene ID:	13857
UniProt:	P14753
Pathways:	JAK-STAT Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile
	distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is
	recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 %
	Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.36 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein

solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.