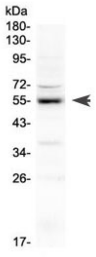
EPOR Antibody / EPO Receptor (RQ4025)

Catalog No.	Formulation	Size
RQ4025	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P14753
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This EPOR antibody is available for research use only.



Western blot testing of rat lung lysate with EPOR antibody at 0.5ug/ml. Predicted molecular weight ~55 kDa (memebrane bound form), ~29 kDa (soluble form).

Description

The erythropoietin receptor (EpoR) is a protein that in humans is encoded by the EPOR gene. 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.

Application Notes

Optimal dilution of the EPOR antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids D32-E225 was used as the immunogen for the EPOR antibody.

Storage

After reconstitution, the EPOR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.