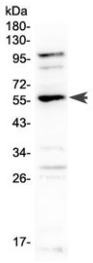
EPO Receptor Antibody (RQ4024)

Catalog No.	Formulation	Size
RQ4024	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
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	P19235
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This EPO Receptor antibody is available for research use only.



Western blot testing of rat lung tissue with EPO Receptor 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 EPO Receptor antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids E48-E226 was used as the immunogen for the EPO Receptor antibody.

Storage

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

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