EpoR (phospho Tyr368) rabbit pAb

Cat#: orb768012 (Manual)

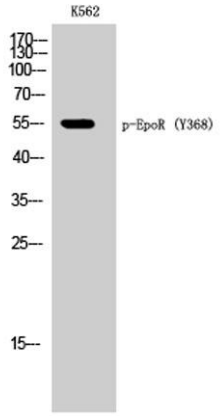
For research use only. Not intended for diagnostic use.

Product Name	EpoR (phospho Tyr368) rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Epo-R around the phosphorylation site of Tyr368. AA range:341-390
Specificity	Phospho-EpoR (Y368) Polyclonal Antibody detects endogenous levels of EpoR protein only when phosphorylated at Y368.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Erythropoietin receptor
Gene Name	EPOR
Cellular localization	Cell membrane; Single-pass type I membrane protein.; [Isoform EPOR-S]: Secreted . Secreted and located to the cell surface.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

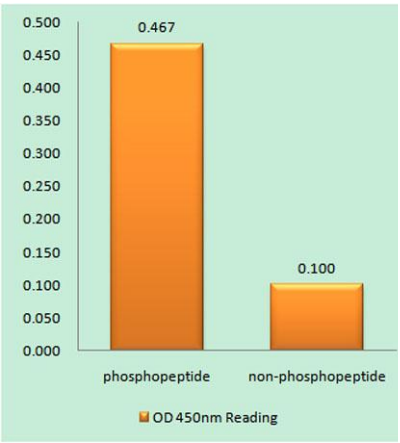
Concentration	1 mg/ml
Observed band	55kD
Human Gene ID	2057
Human Swiss-Prot Number	P19235
Alternative Names	EPOR; Erythropoietin receptor; EPO-R

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.[provided by RefSeq, May 2010],



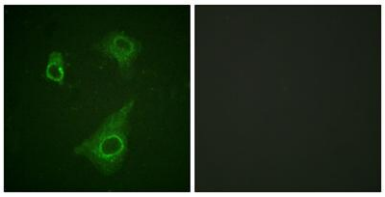
Western Blot analysis of K562 cells using Phospho-EpoR (Y368) Polyclonal Antibody



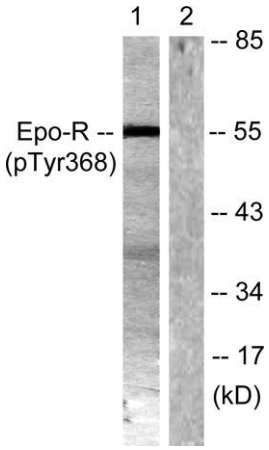
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Epo-R (Phospho-Tyr368) Antibody

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558



Immunofluorescence analysis of HepG2 cells, using Epo-R (Phospho-Tyr368) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells, using Epo-R (Phospho-Tyr368) Antibody. The lane on the right is blocked with the phospho peptide.

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558