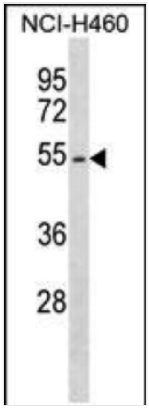
EPOR Antibody – Rabbit Polyclonal

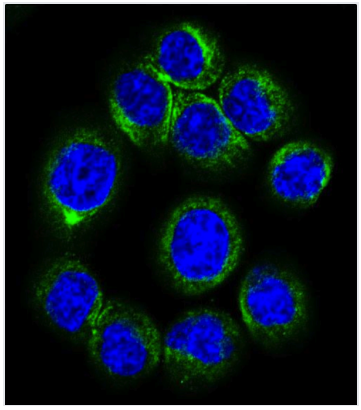
PRODUCT OVERVIEW

Product Name	EPOR, Polyclonal Antibody
Full Product Name	EPOR, ID (EPOR, Erythropoietin receptor)
Product Gene Name	anti-EPOR antibody
Product Synonym Names	Anti -EPOR, ID (EPOR, Erythropoietin receptor)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	55,065 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (11487881..11495018, complement). Location: 19p13.3-p13.2
OMIM	133100
3D Structure	ModBase 3D Structure for P19235
Immunogen	EPOR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 328-357 amino acids from the Central region of human EPOR.
Product Categories/Family for anti-EPOR antibody	Antibodies; Abs to Receptors
Applications Tested/Suitable for anti-EPOR antibody	ELISA (EL/EIA), Western Blot (WB), Flow Cytometry (FC/FACS), Immunofluorescence (IF)
Application Notes for anti-EPOR antibody	Suitable for use in Western Blot, Immunofluorescence, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Flow Cytometry: 1:10-50 Immunofluorescence: 1:10-50
Related Product Information for anti-EPOR antibody	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.
Other Notes	Small volumes of anti-EPOR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

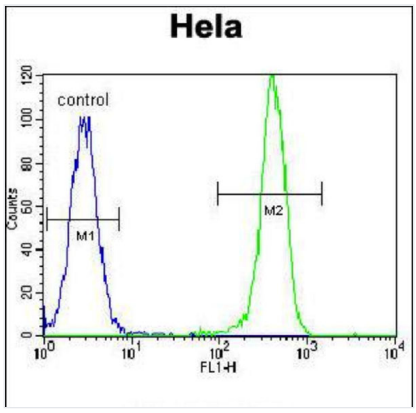
Searchable Terms for EPOR purchase	MBS6003503 is an antibody targeting EPOR. Also known as EPOR, ID (EPOR, Erythropoietin receptor). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EPOR antibody
Western Blot analysis in NCI-H460 cell line lysates (35ug/lane) using MBS6003503. This demonstrates that MBS6003503 detected the EPOR protein (arrow).



Immunofluorescence (IF) of anti-EPOR antibody
Confocal immunofluorescent analysis with Hela cells using MBS6003503 followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Testing Data of anti-EPOR antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPOR. It may not necessarily be applicable to this product.

NCBI GI #	4503591
NCBI GeneID	2057
NCBI Accession #	NP_000112.1
UniProt Primary Accession #	P19235
UniProt Secondary Accession #	Q15443; Q2M205; B2RCG4
UniProt Related Accession #	P19235
GenBank Nucleotide #	NM_000121.3
NCBI Official Full Name	erythropoietin receptor
NCBI Official Synonym Full Names	erythropoietin receptor
NCBI Official Symbol	EPOR
NCBI Official Synonym Symbols	EPO-R
UniProt Protein Name	Erythropoietin receptor
Protein Family	Erythropoietin receptor

UniProt Gene Name	EPOR
UniProt Synonym Gene Names	EPO-R
UniProt Entry Name	EPOR_HUMAN
NCBI Protein Information	erythropoietin receptor
UniProt Comments for EPOR	EPOR: erythropoietin receptor: a member of the cytokine receptor family. Mediates erythropoietin-induced erythroblast proliferation, differentiation and survival. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. Forms homodimers on EPO stimulation. Tyrosine-phosphorylated EpoR may bind several SH2 domain-containing proteins including LYN, the adapter protein APS, SHP-1, SHP-2, JAK2, PI3 kinases, STAT5A/B, SOCS3, and CRKL. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. Three alternatively-spliced isoforms have been described. Isoform EPOR-T, missing the cytoplasmic tail, acts as a dominant-negative receptor of EPOR-mediated signaling. Protein type: Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 19p13.3-p13.2 Cellular Component: integral to plasma membrane; extracellular region Molecular Function: identical protein binding; protein binding; erythropoietin receptor activity Biological Process: heart development; decidualization; brain development; signal transduction Disease: Erythrocytosis, Familial, 1
Research Articles on EPOR	**1.** molecular classification of breast cancer is based upon the expression of ESR, PGR and HER2; the expression of EPOR, membrane receptor GPER and EPHB4 may be considered as an additional classification factor in breast cancer
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/epor/6003503