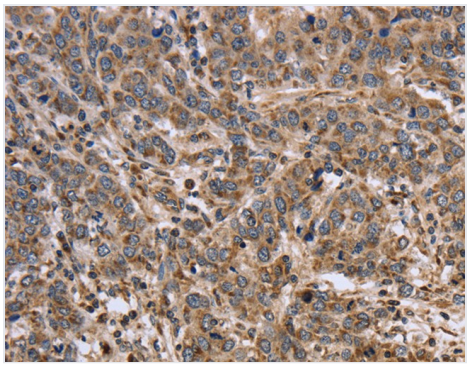
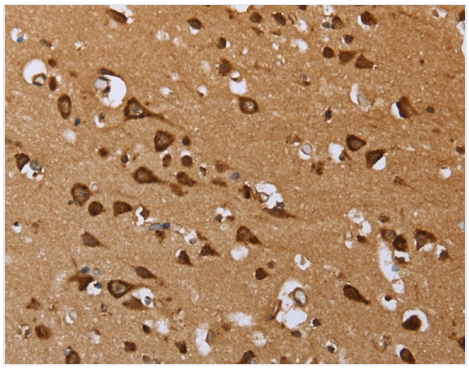
EPOR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EPOR, Polyclonal Antibody
Full Product Name	EPOR Polyclonal Antibody
Product Gene Name	anti-EPOR antibody
Product Synonym Names	EPO-R
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2.2mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	35,809 Da
OMIM	133100
Immunogen	Synthetic peptide of human EPOR
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-EPOR antibody	Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EPOR antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-EPOR antibody	IHC: 1:50-1:200
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	MBS2526892 is an antibody targeting EPOR. Also known as EPOR Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-EPOR antibody
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using EPOR Polyclonal Antibody at dilution 1:40



Immunohistochemistry (IHC) of anti-EPOR antibody
Immunohistochemistry of paraffin-embedded Human brain tissue using EPOR Polyclonal Antibody at dilution 1:40

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 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: Membrane protein, integral; Receptor, cytokine 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.** The progressive increase of EPO and EpoR mRNA can already be observed during the fibrotic-cirrhotic development with a peak of expression rising at tumor formation.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/epor/2526892