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EPOR Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP20930c

Specification

EPOR Blocking Peptide (C-term) - Product Information

Primary Accession P19235

EPOR Blocking Peptide (C-term) - Additional Information

Gene ID 2057

Other Names
Erythropoietin receptor, EPO-R, EPOR

Target/Specificity
The synthetic peptide sequence is selected from aa 470-484 of HUMAN EPOR

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EPOR Blocking Peptide (C-term) - Protein Information

Name EPOR

Function
Receptor for erythropoietin. Mediates erythropoietin-induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.

EPOR Blocking Peptide (C-term) - Background

Receptor for erythropoietin. Mediates erythropoietin- induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.

EPOR Blocking Peptide (C-term) - References

Winkelmann J.C.,et al.Blood 76:24-30(1990).
Jones S.S.,et al.Blood 76:31-35(1990).
Noguchi C.T.,et al.Blood 78:2548-2556(1991).
Ehrenman K.,et al.Exp. Hematol. 19:973-977(1991).
Nakamura Y.,et al.Science 257:1138-1141(1992).

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Erythroid cells and erythroid progenitor cells. Isoform EPOR-F is the most abundant form in EPO-dependent erythroleukemia cells and in late-stage erythroid progenitors. Isoform EPOR-S and isoform EPOR-T are the predominant forms in bone marrow Isoform EPOR-T is the most abundant from in early-stage erythroid progenitor cells

EPOR Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides