

**EPOR Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP20930c**

**Specification**

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**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.

**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](#)

## **EPOR Blocking Peptide (C-term) - Images**

## **EPOR Blocking Peptide (C-term) - Background**

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## **EPOR Blocking Peptide (C-term) - References**

Winkelmann J.C.,et al.Blood 76:24-30(1990).  
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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).