

**Erythropoietin Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17987b****Specification**

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**Erythropoietin Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P01588](#)

**Erythropoietin Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 2056

**Other Names**

Erythropoietin, Epoetin, EPO

**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.

**Erythropoietin Antibody (C-term) Blocking Peptide - Protein Information**

**Name** EPO

**Function**

Hormone involved in the regulation of erythrocyte proliferation and differentiation and the maintenance of a physiological level of circulating erythrocyte mass. Binds to EPOR leading to EPOR dimerization and JAK2 activation thereby activating specific downstream effectors, including STAT1 and STAT3.

**Cellular Location**

Secreted.

**Tissue Location**

Produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals

**Erythropoietin Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Erythropoietin Antibody (C-term) Blocking Peptide - Images****Erythropoietin Antibody (C-term) Blocking Peptide - Background**

This gene is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. [provided by RefSeq].

**Erythropoietin Antibody (C-term) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Kristensen, P.L., et al. Eur. J. Endocrinol. 163(3):391-398(2010) Kim, M.H., et al. Mol. Biol. (Mosk.) 44(4):656-663(2010) Carraway, M.S., et al. Circ. Res. 106(11):1722-1730(2010) Shi, Z., et al. Mol. Cancer Res. 8(4):615-626(2010)