

Erythropoietin Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16337a

Specification

Erythropoietin Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P01588](#)

Erythropoietin Antibody (N-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 (N-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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

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

EPO 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 (N-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)