

EPO Antibody (Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2081a**Specification**

EPO Antibody (Ascites) - Product Information

Application	WB,E
Primary Accession	P01588
Other Accession	NP_000790.2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Calculated MW	21307

EPO Antibody (Ascites) - Additional Information**Gene ID** 2056**Other Names**

Erythropoietin, Epoetin, EPO

Target/Specificity

Purified His-tagged EPO protein(Fragment) was used to produced this monoclonal antibody.

Dilution

WB~~1:1000~16000

E~~Use at an assay dependent concentration.

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EPO Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

EPO Antibody (Ascites) - 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 (PubMed:[28283061](#)). Binds to EPOR leading to EPOR dimerization and JAK2 activation thereby activating specific downstream effectors, including STAT1 and STAT3 (PubMed:[9774108](#)).

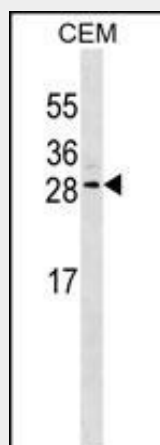
Cellular Location
Secreted.**Tissue Location**

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

EPO Antibody (Ascites) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EPO Antibody (Ascites) - Images

EPO Antibody (Cat. #AM2081a) western blot analysis in CEM cell line lysates (35µg/lane). This demonstrates the EPO antibody detected the EPO protein (arrow).

EPO Antibody (Ascites) - 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].

EPO Antibody (Ascites) - 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)