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Anti-Erythropoietin (EPO) Antibody
Mouse Monoclonal Antibody
Catalog # AH13202

Specification

Anti-Erythropoietin (EPO) Antibody - Product Information

Application	**WB, IHC-P, IF, FC**
Primary Accession	P01588
Other Accession	2303
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG**
Calculated MW	**21307**

Anti-Erythropoietin (EPO) Antibody - Additional Information

Gene ID 2056

Other Names
EP; EPO alpha; EPO; Epoetin; Erythropoietin; MVCD2

Application Note
WB~~1:1000<br \>IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50

Format
200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
Anti-Erythropoietin (EPO) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Erythropoietin (EPO) Antibody - 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:<a

href="http://www.uniprot.org/citations/9774108" target="_blank">9774108).

Cellular Location
Secreted.

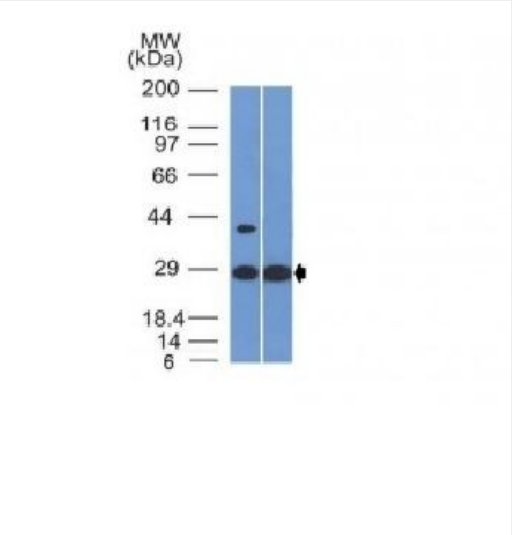
Tissue Location
Produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.

Anti-Erythropoietin (EPO) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Erythropoietin (EPO) Antibody - Images



Anti-Erythropoietin (EPO) Antibody - Background

Recognizes a protein of about 37kDa, which is identified as Erythropoietin (EPO). Erythropoietin is a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. It is the primary factor responsible for regulating erythropoiesis during steady-state conditions and in response to blood loss and hemorrhage in the adult organism. Erythropoietin is synthesized by the kidney and stimulates the proliferation and maturation of bone marrow erythroid precursor cells. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis.