

Datasheet for ABIN952117
anti-EPO antibody (N-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	EPO
Binding Specificity:	AA 19-48, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPO antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 19-48 amino acids from the N-terminal region of Human Erythropoietin. Genename: EPO
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Erythropoietin / EPO (N-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	EPO
Alternative Name:	Erythropoietin / EPO (EPO Products)
Target Type:	Hormone

Target Details

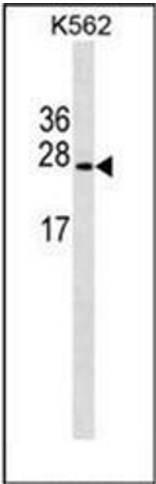
Background:	EPO is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. [provided by RefSeq].Synonyms: Epoetin
Molecular Weight:	21307 Da
Gene ID:	2056
NCBI Accession:	NP_000790
Pathways:	JAK-STAT Signaling , Hormone Activity , Negative Regulation of intrinsic apoptotic Signaling , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of Erythropoietin / EPO Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the Erythropoietin antibody detected the Erythropoietin protein (arrow).



Western Blotting

Image 2. Western blot analysis of Erythropoietin / EPO Antibody (N-term) in mouse L929 cell line lysates (35ug/lane). This demonstrates the Erythropoietin antibody detected the Erythropoietin protein (arrow).