Datasheet for ABIN6937156

Recombinant anti-EPO antibody (AA 28-162)

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Overview

Quantity:	100 µg
Target:	EPO
Binding Specificity:	AA 28-162
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This EPO antibody is un-conjugated
Application:	ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 28-162) of human EPO protein (exact sequence is proprietary)
Clone:	REPO-1367
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of about 37 kDa, 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

Product Details

	erythroid differentiation and initiating hemoglobin synthesis.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	EPO
Alternative Name:	EPO (EPO Products)
Target Type:	Hormone
Background:	EP, EPO alpha, EPO, Epoetin, Erythropoietin, MVCD2,Erythropoietin (EPO) (Marker of Placentation Disorders) Cellular localisation: Cytoplasmic and Cell Surface
Molecular Weight:	37kDa
Gene ID:	2056, 2303
UniProt:	P01588
Pathways:	JAK-STAT Signaling, Hormone Activity, Negative Regulation of intrinsic apoptotic Signaling, Negative Regulation of Transporter Activity

Application Details

Application Notes:	Known_Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), ,Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: HepG2 cells. Heart or Kidney.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months