

Datasheet for ABIN6939314

Recombinant anti-EPO antibody (AA 28-162)[Go to Product page](#)**2** Images

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, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM)

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.

Purification: Purified by Protein A/G

Target Details

Target: EPO

Alternative Name: EPO ([EPO Products](#))

Target Type: Hormone

Molecular Weight: 37kDa

Gene ID: 2056

UniProt: [P01588](#)

Pathways: [JAK-STAT Signaling](#), [Hormone Activity](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: Positive Control: HepG2 cells. Heart or Kidney.
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 boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

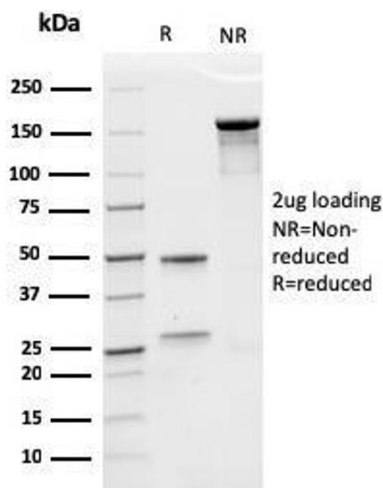
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

is stable for 24 months. Non-hazardous. No MSDS required.

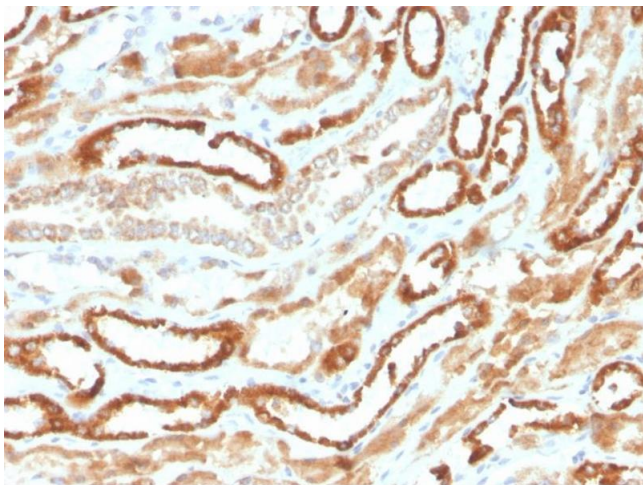
Expiry Date: 24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified EPO Recombinant Mouse Monoclonal Antibody (rEPO/1367). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human kidney stained with EPO Recombinant Mouse Monoclonal Antibody (rEPO/1367).