

Datasheet for ABIN4949655

anti-EPO antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	EPO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPO antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A human partial recombinant protein was used as the immunogen for the EPO antibody.
Clone:	EPO-1368
Isotype:	IgG
Purification:	Protein G affinity chromatography

Target Details

Target:	EPO
Alternative Name:	Erythropoietin / EPO (EPO Products)
Target Type:	Hormone
Background:	Erythropoietin / EPO is a secreted, glycosylated cytokine hormone composed of four alpha

Target Details

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.

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

Application Details

Application Notes: Titring of the EPO antibody may be required for optimal performance.
1. Required HIER: boil tissue sections in 10 mM citrate buffer, pH 6, for 10-20 min.\. WB: 0.5-1 µg/mL,IF: 1-2 µg/mL,Immunohistochemistry (FFPE): 4-8 µg/mL for 30 min at RT (1),Flow Cytometry: 0.5-1 µg/million cells in 0.1ml

Restrictions: For Research Use only

Handling

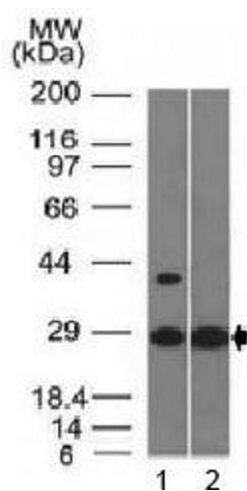
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C,-20 °C

Storage Comment: Store the EPO antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Western Blotting

Image 1. Western blot testing of with EPO antibody (clone EPO/1368). Predicted molecular weight: 18-34 kDa depending on glycosylation level.