



Datasheet for ABIN969109

anti-EPO antibody



[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	EPO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human EPO expressed in E. coli.
Clone:	4F11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	EPO
Alternative Name:	EPO (EPO Products)
Target Type:	Hormone
Background:	Description: Human erythropoietin is member of the EPO/TPO family and encodes a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. The protein is found in

Target Details

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. It is produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals. Tissue specificity: Produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.

Aliases: EP, MVCD2, MGC138142, EPO

Molecular Weight: 21 kDa

Gene ID: 2056

HGNC: 2056

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

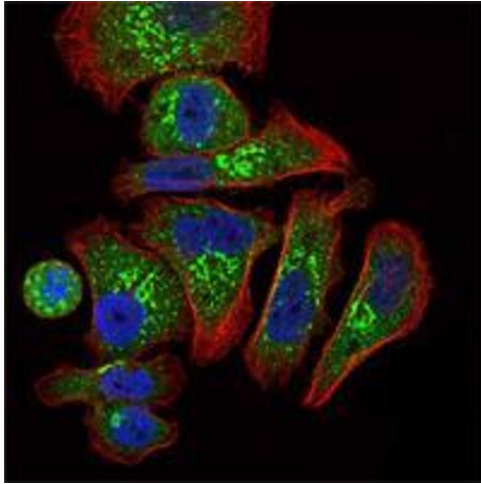
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

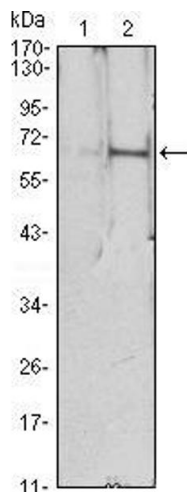
Publications

Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).



Immunofluorescence

Image 1. Immunofluorescence analysis of GC7901 cells using EPO mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

Image 2. Western blot analysis using EPO mAb against HEK293 (1) and EPO(AA: 28-193)-hlgGfc transfected HEK293 (2) cell lysate.