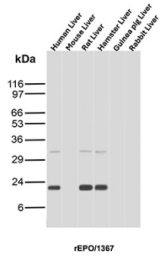
Erythropoietin Antibody / EPO [clone rEPO/1367] (V7732)

Catalog No.	Formulation	Size
V7732-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7732-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7732SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

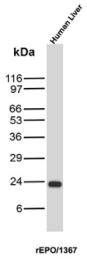
Recombinant MOUSE MONOCLONAL

Bulk quote request

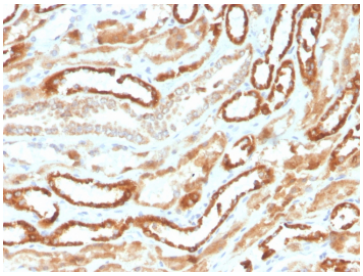
Availability	1-3 business days
Species Reactivity	Human, Rat, Hamster
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rEPO/1367
Purity	Protein G affinity chromatography
UniProt	P01588
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE): 2-4ug/ml (Human) Western blot: 2-4ug/ml (Human/Rat/Hamster)
Limitations	This Erythropoietin antibody is available for research use only.



Erythropoietin Antibody Multi-Species Liver WB. Western blot analysis of liver tissue lysates from human, mouse, rat, hamster, guinea pig, and rabbit using Erythropoietin Antibody (clone rEPO/1367) detects bands consistent with EPO expression, with lower molecular weight species likely representing processed forms of this secreted glycoprotein, supporting cross-species detection across liver tissues.



Erythropoietin Antibody Human Liver WB. Western blot analysis of human liver tissue lysate using Erythropoietin Antibody (clone rEPO/1367) detects a band at approximately 24 kDa, consistent with the predicted molecular weight of erythropoietin (EPO), a secreted glycoprotein hormone, supporting detection in human liver tissue.



Erythropoietin Antibody Kidney IHC. Immunohistochemistry staining of FFPE human kidney with Erythropoietin antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

Erythropoietin Antibody recognizes a protein of about 37kDa, 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 erythroid differentiation and initiating hemoglobin synthesis.

For detection of erythropoietin (EPO) as a hypoxia response hormone across tissues and conditions, see our EPO antibody.

Application Notes

Optimal dilution of the Erythropoietin antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 28-162) was used as the immunogen for the recombinant Erythropoietin antibody.

Storage

Store the Erythropoietin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.