BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-EPO/Erythropoietin Antibody Picoband®

Catalog Number: RP1004

About EPO

EPO, Erythropoietin, is an acidic glycoprotein hormone with a molecular mass of 34 kD. It is a cytokine for erythrocyte (red blood cell) precursors in the bone marrow. This gene is mapped to 7q22.1. It is produced by interstitial fibroblasts in the kidney in close association with peritubular capillary and tubular epithelial cells. It is also produced in perisinusoidal cells in the liver. While liver production predominates in the fetal and perinatal period, renal production is predominant during adulthood. As the prime regulator of red cell production, its major functions are to promote erythroid differentiation and to initiate hemoglobin synthesis. It also has other known biological functions. For example, erythropoietin plays an important role in the brain's response to neuronal injury. EPO is also involved in the wound healing process.

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Overview

Product Name	Anti-EPO/Erythropoietin Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-EPO/Erythropoietin Antibody catalog # RP1004. Tested in ELISA, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3. Carrier free (No BSA) form available in stock. If you want this antibody carrier free please specify "Carrier Free" or "No BSA" in your order note.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01588

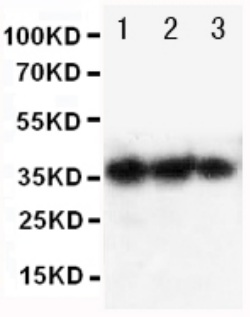
Technical Details

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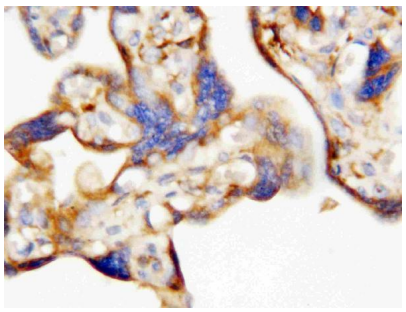
Immunogen	E. coli-derived human EPO recombinant protein (Position: M1-R166).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human ELISA, 0.1-0.5ug/ml, - Western blot, 0.1-0.5ug/ml, Human

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Anti-EPO/Erythropoietin Antibody Picoband® (RP1004) Images



Anti-human EPO antibody, RP1004, Western blottingLane 1: Recombinant human EPO Protein 10ng Lane 2: Recombinant human EPO Protein 5ng Lane 3: Recombinant human EPO Protein 2



Anti-human EPO antibody, RP1004, IHC(P)IHC(P): Human Placenta Tissue

1 Publications Citing This Product

1. PubMed ID: 10.1016/j.snb.2019.127228, Identification of protein-protein interactions using a magnetic modulation biosensing system

Visit bosterbio.com/anti-human-epo-antibody-rp1004-boster.html to see all 1 publications.

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