

Anti-EPOR Antibody (C-term)

Catalog Number: A00427-3

About EPOR

Receptor for erythropoietin. Mediates erythropoietin- induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.

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Overview

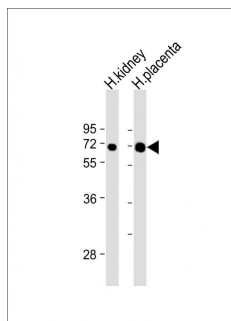
Product Name	Anti-EPOR Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-EPOR Antibody (C-term) (Catalog # A00427-3). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P19235

Technical Details

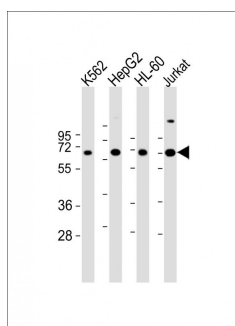
Immunogen	This EPOR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 470-504 amino acids from the C-terminal region of human EPOR.
Predicted Reactive Species	Bovine, Mouse
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit 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	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:1000 FC: 1:25

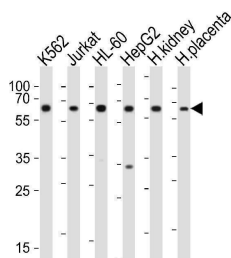
Anti-EPOR Antibody (C-term) (A00427-3) Images



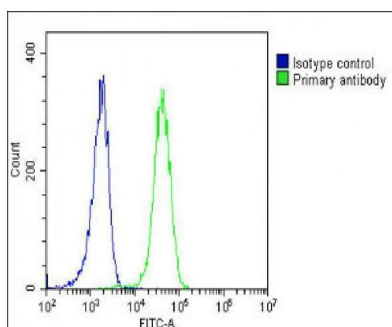
All lanes : Anti-EPOR Antibody (C-term) at 1:2000 dilution
Lane 1: H. kidney whole lysate
Lane 2: H. placenta whole lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-EPOR Antibody (C-term) at 1:2000 dilution
Lane 1: K562 whole cell lysate
Lane 2: HepG2 whole cell lysate
Lane 3: HL-60 whole cell lysate
Lane 4: Jurkat whole cell lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

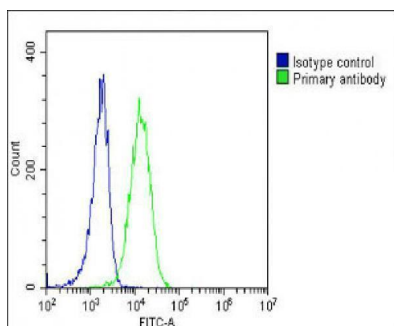


Western blot analysis of lysates from K562, Jurkat, HL-60, HepG2 cell line, human kidney, human placenta tissue (from left to right), using EPOR Antibody (C-term). A00427-3 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.



Overlay histogram showing K562 cells stained with A00427-3 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (A00427-3, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Overlay histogram showing K562 cells stained with A00427-3 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-



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For Research Use Only. Not for use in diagnostic procedures.