

DATASHEET

EPO Receptor Rabbit Polyclonal Antibody

CAT. NO. APA11889

KEY FEATURES

Target	EPO Receptor	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Dog, Monkey	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Receptor for erythropoietin, which 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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:100 - 1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to EPO Receptor
Specificity	Recognizes endogenous levels of EPO Receptor protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EPO Receptor. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 55 kD; Observed: 65 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Erythropoietin receptor; EPO-R
Gene Symbol	EPOR
Entrez Gene	2057(Human); 13857(Mouse)
SwissProt	P19235(Human); P14753(Mouse); Q07303(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

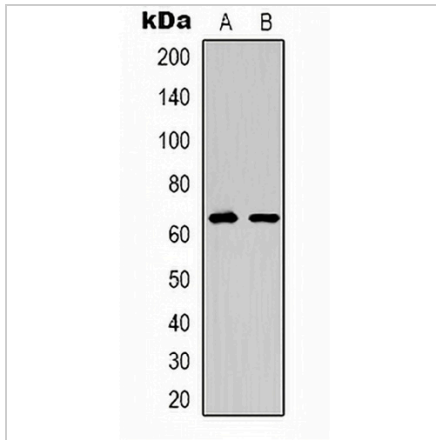
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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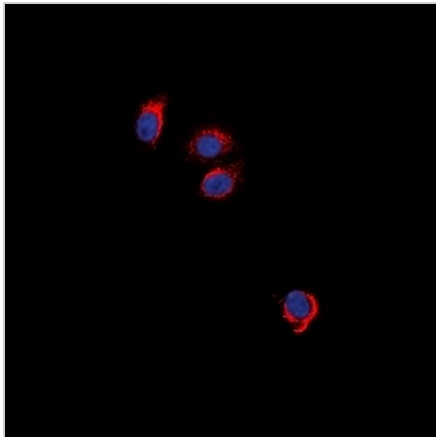
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DATA



Western blot analysis of EPO Receptor expression in HepG2 (A), COS7 (B) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 65 kD)



Immunofluorescent analysis of EPO Receptor staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.