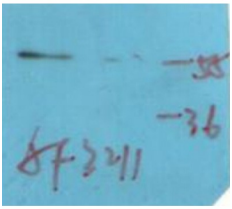
Phospho-Epo-R (Tyr368) Ab

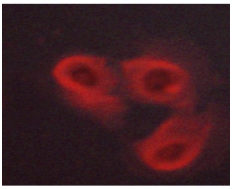
Cat.#: AF3211	Concn.: 1mg/ml	Mol.Wt.: 55kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IF/ICC 1:100-1:500
Reactivity:	Mouse,Rat,Human
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Epo-R (Tyr368) Ab detects endogenous levels of Epo-R only when phosphorylated at Tyrosine 368
Immunogen:	A synthesized peptide derived from human Epo-R around the phosphorylation site of Tyrosine 368
Uniprot:	P19235
Description:	Erythropoiesis is regulated through the interaction of erythropoietin (Epo) with its receptor, EpoR, a member of the cytokine superfamily of receptors. The human EpoR is a 507 amino acid transmembrane protein that forms homodimers following erythropoietin activation and is related to the interleukin 2 (IL-2) receptor β chain subunit (IL-2Rβ).
Subcellular Location:	Plasma membrane;Extracellular region or secreted;
Tissue Specificity:	Erythroid cells and erythroid progenitor cells. Isoform EPOR-F is the most abundant form in EPO-dependent erythroleukemia cells and in late-stage erythroid progenitors. Isoform EPOR-S and isoform EPOR-T are the predominant forms in bone marrow. Isoform EPOR-T is the most abundant from in early-stage erythroid progenitor cells.
Similarity:	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.The box 1 motif is required for JAK interaction and/or activation.Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.Belongs to the type I cytokine receptor family. Type 1 subfamily.
Storage Condition and	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM

Buffer:	NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



Western blot analysis of Epo-R phosphorylation expression in K562 whole cell lysates,The lane on the right is treated with the antigen-specific peptide.



AF3211 staining HepG2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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