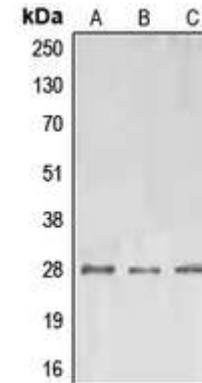


EPO Antibody

CATALOG NO:	6969-100
ALTERNATE NAMES:	Erythropoietin-Alpha, EPO-a, EPO-alpha, Epoetin, EP, MGC138142.
AMOUNT:	100 µg
HOST/ISOTYPE:	Rabbit IgG
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EPO.
FORM:	Liquid
FORMULATION:	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol; and 0.01% sodium azide.
PURIFICATION:	This antibody is purified by immunogen affinity chromatography.
SPECIES REACTIVITY:	Human, Mouse, Rat
STORAGE CONDITIONS:	For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
DESCRIPTION:	Human erythropoietin (EPO) is an acidic glycoprotein. It is mainly produced by the kidney. As the primary regulator of the production of red cells, its major functions are to promote erythroid progenitor cells differentiation and to start the synthesis of hemoglobin. EPO acts by binding to a specific erythropoietin receptor (EPOR) on target cells; the red cell precursors in the bone marrow, and induces their transformation into mature erythrocytes. The EPO sensitivity increases with differentiation of immature progenitor cells. EPO may act as a neuron protector against glutamate toxicity. Its neuroprotective activity comes into effect by neutralizing the toxicity of free radicals. EPO is produced in brain after oxidative stress. EPO is upregulated by hypoxia and prevents apoptosis of erythroid progenitors in bone.
APPLICATION:	WB - 1:500 - 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of EPO expression in A549 (A); SP2/0 (B); PC12 (C) whole cell lysates

RELATED PRODUCTS:

- Human CellExp™ EPO, Human Recombinant (Cat # 6447-10, -50)
- EPO-alpha, human recombinant (Cat # 4763-50, -1000)
- EPO-alpha, human recombinant (Cat # 4764-10, -500)
- EPO-beta, human recombinant (Cat # 4766-500, -1000)
- Human CellExp™ EPOR/Erythropoietin Receptor (Cat # 7454-10, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.