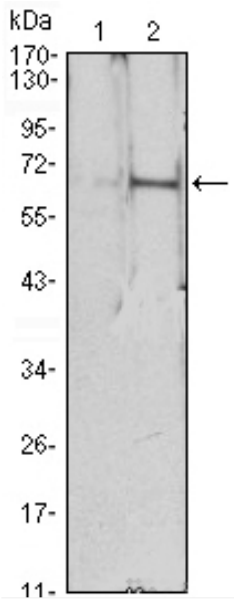
EPO Monoclonal Antibody

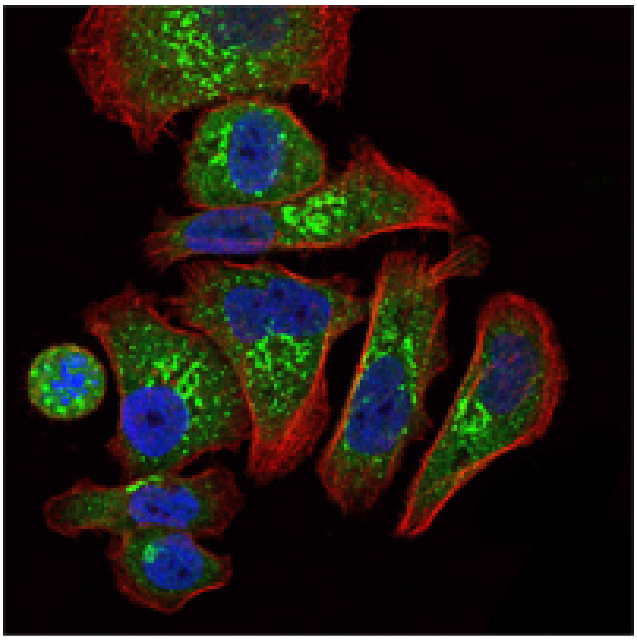
Catalog No	YP-Ab-15831
Isotype	IgG
Reactivity	Human
Applications	WB;IF;ELISA
Gene Name	EPO
Protein Name	Erythropoietin
Immunogen	Purified recombinant fragment of human EPO expressed in E. Coli.
Specificity	EPO Monoclonal Antibody detects endogenous levels of EPO protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EPO; Erythropoietin; Epoetin
Observed Band	
Cell Pathway	Secreted .
Tissue Specificity	Produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.
Function	disease:Genetic variation in EPO is associated with susceptbility to microvascular complications of diabetes type 2 (MVCD2) [MIM:612623]; also called susceptibility to proliferative diabetic retinopathy (PDR) or susceptbility to diabetic end-stage renal disease (ESRD). Significant morbidity and mortality among patients with diabetes mellitus result largely from a greatly increased incidence of microvascular complications. PDR and ESRD are two of the most common and severe microvascular complications of diabetes. A high concordance exists in the development of PDR and ESRD in diabetic patients, as well as strong familial aggregation of these complications, suggesting a common underlying genetic mechanism. EPO is a potent angiogenic factor observed in the diabetic human and mouse eye.,function:Erythropoietin is the principal hormone involved in the regulation of erythrocyte differentiation
Background	This gene is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has

	neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using EPO Monoclonal Antibody against HEK293 (1) and EPO-hIgGFc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of GC7901 cells using EPO Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.