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[Marker Primary Antibody]

Rabbit Anti-EPO/HRP Conjugated antibody

Catalog Number: SL2343R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-EPO/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human Erythropoietin
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: Human erythropoietin is member of the EPO/TPO family and encodes a secreted, glycosylated cytokine hormone 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. It is produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals. **Function:** Erythropoietin is the principal hormone involved in the regulation of erythrocyte differentiation and the maintenance of a physiological level of circulating erythrocyte mass. **Subcellular Location:** Secreted. **Tissue Specificity:** Produced by kidney or liver of adult mammals and by liver

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	of fetal or neonatal mammals. DISEASE: Microvascular complications of diabetes 2 (MVCD2) [MIM:612623]: Pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry. **Similarity:** Belongs to the EPO/TPO family. **Database links:** **Entrez Gene:** 404002 Dog **Entrez Gene:** 2056 Human **Entrez Gene:** 13856 Mouse **Entrez Gene:** 24335 Rat Omim: 133170 Human **SwissProt:** P33707 Dog **SwissProt:** P01588 Human **SwissProt:** P07321 Mouse **SwissProt:** P29676 Rat **Unigene:** 2303 Human **Unigene:** 349116 Mouse **Unigene:** 11365 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.