Recombinant Erythropoietin (EPO) (Marker of Placentation Disorders) Antibody

Rabbit Monoclonal Antibody [Clone EPO/3793R]

Catalog No	Format	Size
2056-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2056-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2056-RBM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

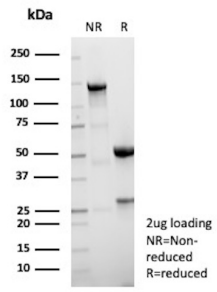
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

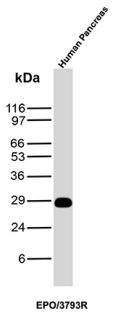
Clone	EPO/3793R
Immunogen	Recombinant fragment (around aa28-162) of the human Erythropoietin (EPO) protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	21.31kDa
Cellular Localization	Secreted
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rat
Positive Control	HepG2 cells. Heart or Kidney. Human Pancreas.

**Optimal dilution for a specific application should be determined.*

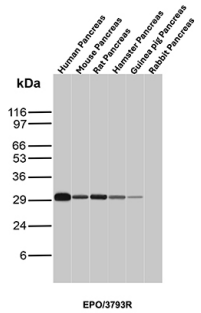
Product Images for Recombinant Erythropoietin (EPO) (Marker of Placentation Disorders) Antibody



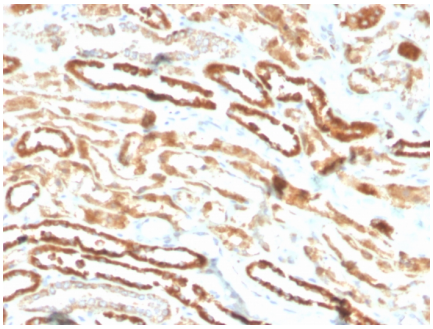
SDS-PAGE Analysis of Purified EPO Recombinant Rabbit Monoclonal Antibody (EPO/3793R). Confirmation of Purity and Integrity of Antibody



Western Blot Analysis of Human Pancreas tissue lysate using Erythropoietin Recombinant Rabbit Monoclonal Antibody (EPO/3793R).



Western Blot Analysis of Pancreas tissue lysates of different species using Erythropoietin Recombinant Rabbit Monoclonal Antibody (EPO/3793R).



Formalin-fixed, paraffin-embedded human kidney stained with Erythropoietin Recombinant Rabbit Monoclonal Antibody (EPO/3793R).

Specificity & Comments

Recognizes a protein of about 37kDa, which is identified as Erythropoietin (EPO). Erythropoietin is a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. It is the primary factor responsible for regulating erythropoiesis during steady-state conditions and in response to blood loss and hemorrhage in the adult organism. Erythropoietin is synthesized by the kidney and stimulates the proliferation and maturation of bone marrow erythroid precursor cells. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.