SIRP alpha Antibody

Catalog No: #24015

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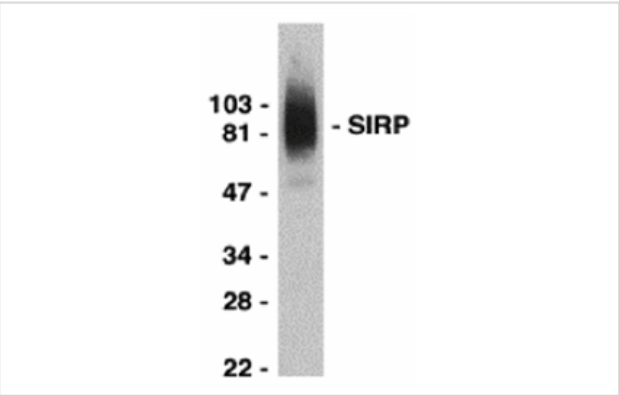
Description

Product Name	SIRP alpha Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	DEAE purified
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Specificity	Recognizes SIRP alpha 1, 2 and 3.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the carboxy terminus of human SIRP alpha 1. The sequences of the immunogenic peptide differ from those of mouse, rat and bovine by one amino acid.
Target Name	SIRP alpha
Other Names	SHPS-1, SIRPa
Accession No.	Swiss-Prot:P78324Gene ID:140885
Uniprot	P78324
GeneID	140885;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

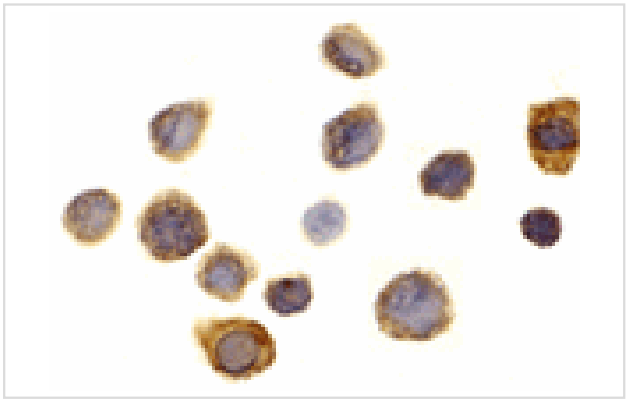
Application Details

Predicted MW: 75 - 110 kd

Images



Western blot analysis of SIRP alpha in THP-1 whole cell lysate with SIRP alpha antibody at 1:2000 dilution.



Immunocytochemistry of SIRP alpha in THP-1 cells with SIRP alpha antibody at 1 ug/mL.

Background

Protein tyrosine phosphatases (PTPases) SHP-1 and SHP-2 are critical regulators in the intracellular signaling pathways that result in cell responses such as mitosis, differentiation, migration, survival, transformation or death. SHP-2 is a signal transducer for several receptor tyrosine kinases and cytokine receptors. A novel SHP-2 associated glycoprotein was recently cloned from human, rat, mouse and cattle by several labs and was designated SIRPalpha, SHPS-1, MyD-1, BIT and p84. SIRPalpha is a new gene family containing at least fifteen members. SIRPalpha is a substrate of many activated tyrosine kinases such as insulin receptor, EGFR, PDGFR and src, and a specific docking protein for SHP-2. SIRPalpha has regulatory effects on cellular responses induced by serum, growth factors, insulin, oncogenes, growth hormones and cell adhesion and plays a general role in different physiological and pathological processes.

Note: This product is for in vitro research use only