

Product datasheet

SIRP alpha overexpression 293T lysate (whole cell) ab94139

2 Images

Overview

Product name	SIRP alpha overexpression 293T lysate (whole cell)
General notes	ab94139 is a 293T cell transfected lysate in which Human SIRP alpha has been transiently over-expressed using a pCMV-SIRP alpha plasmid. The lysate is provided in 1X Sample Buffer.
Tested applications	Suitable for: WB

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
Background	Function: Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function (By similarity). Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Tissue specificity: Ubiquitous. Highly expressed in brain. Detected on myeloid cells, but not T-cells. Detected at lower levels in heart, placenta, lung, testis, ovary, colon, liver, small intestine, prostate, spleen, kidney, skeletal muscle and pancreas. Similarity: Contains 2 Ig-like C1-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain. PTM: N-glycosylated. Phosphorylated on tyrosine residues in response to stimulation with EGF, growth hormone, insulin and PDGF. Dephosphorylated by PTPN11.

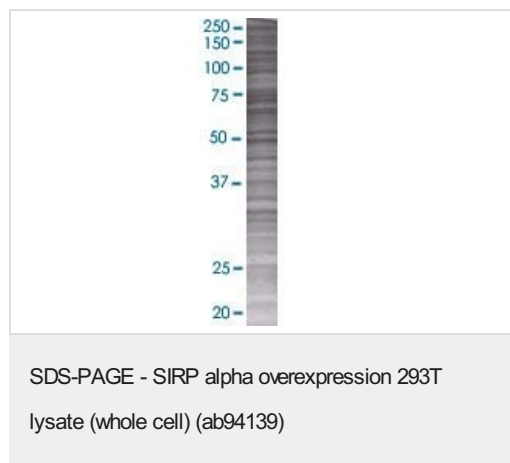
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab94139 in the following tested applications.

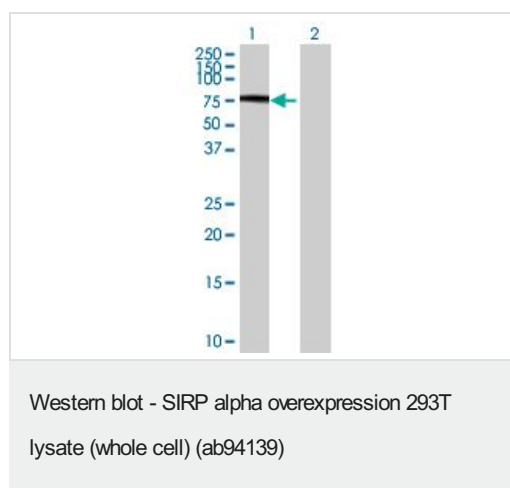
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

Images



ab94139 at 15µg/lane on an SDS-PAGE gel.



All lanes : Anti-SIRP alpha antibody ([ab77061](#)) at 1/500 dilution

Lane 1 : SIRP alpha overexpression 293T lysate (whole cell) (ab94139)

Lane 2 : 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

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