

SIRP Alpha Polyclonal antibody

Catalog Number: 31485-1-AP

Basic Information

Catalog Number:

31485-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_080792

GeneID (NCBI):

140885

UNIPROT ID:

P78324

Full Name:

signal-regulatory protein alpha

Calculated MW:

55kd

Observed MW:

65-100 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse, Rat

Positive Controls:

WB : C6 cells, NIH/3T3 cells, U-937 cells

Background Information

SIRP Alpha, also known as CD172a, SHPS-1, and BIT, belongs to the SIRP family. SIRP Alpha is a transmembrane glycoprotein expressed explicitly on myeloid cells and provides a "do not eat me" signal after engaging with integrin-associated protein CD47 on tumor cells (PMID: 36419386). SIRP Alpha shows heterogeneity in molecular weight (~65-120 kDa) in various tissues due to differential glycosylation (PMID: 18051954).

Storage

Storage:

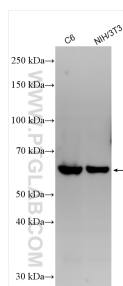
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31485-1-AP (SIRP Alpha antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.