

CD172g polyclonal antibody

Catalog: **NCP0295P** Host:

Rabbit

BackGround:

SIRPs (signal-regulatory proteins) are a family of transmembrane glycoproteins that were identified by their association with the Src homology 2 domain containing protein-tyrosine phosphatase SHP-2 in response to Insulin. The SIRP family negatively regulates the PI 3-K pathway, which may diminish EGFR-mediated motility and survival phenotypes that contribute to transforma tion of certain cell types. SIRP-a1 is a transmembrane protein which contains an extracellular portion with three immunoglobulin-like structures and a cyto plasmic region with four potential tyrosine phosphorylation sites. SIRP-a1 is

a substrate for activated receptor tyrosine kinases. In its tyrosine phosphoryl ated form, SIRP-α1 binds to SH-PTP2 through SH2 interactions and acts as an SH-PTP2 substrate. SIRP-a1 has been shown to have negative regulatory effects on cellular responses induced by growth factors, oncogenes and insu lin. SIRP-b1 shares extensive sequence homology with SIRP- α 1 in its extra cellular portion but lacks the cytoplasmic portion. SIRP-g, originally designated SIRP-b2 (SIRP-B2, CD172g) has unique characteristics from both the α and b versions. SIRP-g is expressed on the majority of T cells and a proportion of B cells. CD47 associates with SIRP-g, and this interaction signals unidirec tionally only.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

Swiss-Prot:

O9P1W8

Purification&Purity:

Reactivity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Human

Applications:

IF: 1:100~1:500

Storage&Stability:

Store at $4 \, \mathbb{C}$ short term. Aliquot and store at $-20 \, \mathbb{C}$ long term. Avoid freeze-thaw cycles.

Specificity:

CD172g polyclonal antibody detects endogenous levels of CD172g protein.

DATA:



Immunofluores-

cence analysis of SGC7901 cells using CD172g pAb at dilution of 1:200 (40x lens).

Note:

For research use only, not for use in diagnostic procedure.

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