

SIRP alpha Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 2428

Format: 100ug (1mg/ml) peptide affinity-purified antibody in PBS, 0.02% sodium azide.

BACKGROUND

Protein tyrosine phosphatases (PTPases), such as 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 cloned from human, rat, mouse, and cattle by several laboratories and was designated SIRP α , SHPS-1, and MyD-1. SIRP α /SHPS-1 is a substrate of many activated tyrosine kinases such as insulin receptor, EGFR, PDGFR, and src, and is a specific docking protein for SHP-2. SIRP α /SHPS-1 has regulatory effects on cellular responses and plays a general role in different physiological and pathological processes.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide corresponding to 17 amino acids within the last 50 amino acids at the C-terminus of human SIRP α .

Accession no.: NP_542970

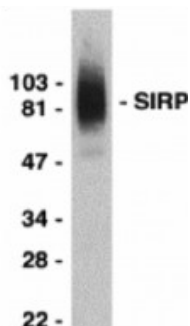
Gene ID: 140885

Host Species: Rabbit

Specificity: This antibody recognizes human SIRP alpha 1, 2, and 3.

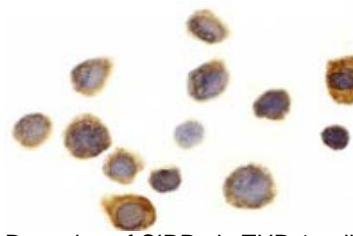
APPLICATIONS

Immunoblotting: use at 0.5-2ug/ml. A band of 75-110kDa is detected.



Detection of SIRP α in THP-1 cell lysate with #2428 at 0.5ug/ml.

Immunocytochemistry: use at 1-5ug/ml.



Detection of SIRP α in THP-1 cells with #2428 at 1ug/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable at 4°C for three months and for at least one year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.