

Anti-SIRP α (CT) SHPS-1, MyD-1, BIT, p84

CATALOG No.: PX156A

SIZE: 100 μ g

PX156B

SIZE: 0.5 mg

BACKGROUND:

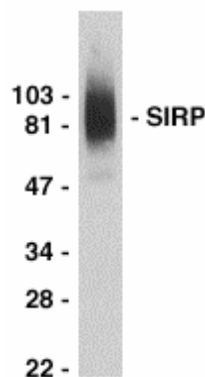
Protein tyrosine phosphatases (PTPases) SHP-1 and SHP-2 are critical regulators in the intracellular signaling pathways that result in cell responses such as mitosis, differentiation, migration, survival, transformation or death. SHP-2 is a signal transducer for several receptor tyrosine kinases and cytokine receptors. A novel SHP-2 associated glycoprotein was recently cloned from human, rat, mouse and cattle by several labs and was designated SIRP α (1), SHPS-1 (2,3), MyD-1 (4), BIT (5,6) and p84 (7). SIRP α is a new gene family containing at least fifteen members. SIRP α is a substrate of many activated tyrosine kinases such as insulin receptor, EGFR, PDGFR and src, and a specific docking protein for SHP-2 (1,2,5,8). SIRP α 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 (1,2,5,8).

SOURCE:

Rabbit anti-SIRP α polyclonal antibody was raised against a peptide corresponding to amino acids 487 to 503 of human SIRP α 1 (1). The sequences of immunogenic peptide differ from those of mouse, rat and bovine by one amino acid (1-7).

APPLICATION:

This polyclonal antibody can be used for Western blot at 1:1000 to 1:2000 dilution. Whole cell lysate from THP-1 cells can be used as positive control and 75-110 kDa bands should be detected. It is human, mouse, and rat reactive and recognizes SIRP α 1, 2 and 3. For research use only.



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

STORAGE:

It is supplied as purified IgG, 100 μ g in 200 μ l of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

REFERENCES:

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7. Comu S, et al. *J Neurosci* 1997;17:8702-8710
8. Stofega MR, et al. *J Biol Chem* 1998;273:7112-7117

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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