SHIP polyclonal antibody

Catalog: BS91238 Host: Rabbit Reactivity: Human

BackGround:

The major translational product of the v-Fms oncogene, originally isolated from the McDonough strain of feline sarcoma virus, has been identified as a glycoprotein with intrinsic tyrosine kinase activity. The v-Fms human cellular homolog, c-Fms, has been molecularly cloned and mapped to band q34 on chromosome 5, and identified as the receptor for hematopoietic ligand, CSF-1. Ligand-induced activation of the intrinsic CSF-1R protein tyrosine kinase triggers its interaction with cytoplasmic effector molecules. One such effector molecule, SHIP-1 p145 (SH2-containing-inositol phosphatase), associates with activated Fms. SHIP-1 contains two phosphotyrosine-binding domains (PTB), a unique amino terminal SH2 domain, a proline-rich region, and two highly conserved motifs found among inositol phosphate 5-phosphatases. SHIP-1 displays both phosphatidylinositol 3,4,5-triphosphate and inositol 1,3,4,5-tetrakisphosphate polyphosphate 5-phosphatase activity. Evidence suggests that SHIP-1 may modulate Ras signaling in addition to inositol signaling pathways.

Product:

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

Molecular Weight:

133/109 kDa

Swiss-Prot:

Q92835(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

FC:1:50-1:100

IHC:1:50-1:200

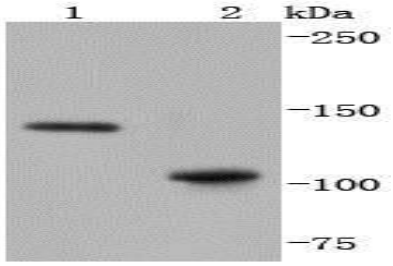
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

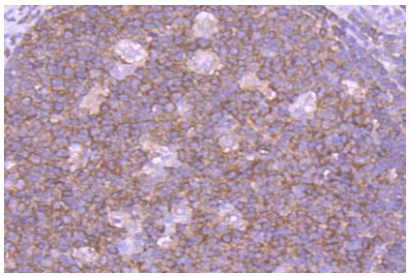
Specificity:

SHIP polyclonal antibody detects endogenous levels of SHIP protein.

DATA:



Western blot analysis of SHIP on different lysates using anti-SHIP antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi Lane 2: THP-1



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SHIP antibody. Counter stained with hematoxylin.

Note:

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

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