bs-3414R **[Primary Antibody]**

phospho-SHC1 (Tyr239 + Tyr240) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6464 **SWISS:** P29353

Target: SHC1 (Tyr239 + Tyr240)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human SHC around the phosphorylation site of Tyr239/240: HQ(p-Y)(p-Y)ND.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes three main isoforms that differ in activities and subcellular location. While all three are adapter proteins in signal transduction pathways, the longest (p66Shc) may be involved in regulating life span and the effects of reactive oxygen species. The other two isoforms, p52Shc and p46Shc, link activated receptor tyrosine kinases to the Ras pathway by recruitment of the GRB2/SOS complex. p66Shc is not involved in Ras activation. Unlike the other two isoforms, p46Shc is targeted to the mitochondrial matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

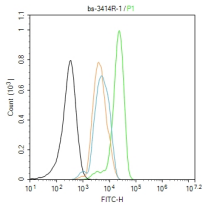
Applications: **Flow-Cyt** (1ug/Test)

Reactivity: Human

Predicted MW.: 41 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Blank control（black line）:SH-SY5Y. Primary Antibody (green line): Rabbit Anti-phospho-SHC1 (Tyr239 + Tyr240) antibody (bs-3414R) Dilution:1ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.