

bs-3413R**[Primary Antibody]****phospho-SHC1 (Tyr317) Rabbit pAb****BioSS**
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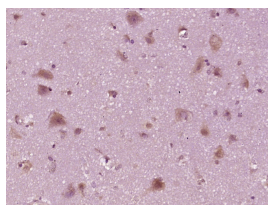
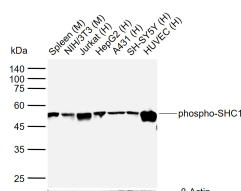
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— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6464**SWISS:** P29353**Target:** SHC1 (Tyr317)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human SHC around the phosphorylation site of Tyr317: KQ(p-Y)LR.**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:** WB (1:500-2000)**IHC-P** (1:50-200)**IHC-F** (1:50-200)**IF** (1:50-200)**ELISA** (1:5000-10000)**Reactivity:** Human, Mouse**Predicted MW.:** 63 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Spleen tissue lysates
 Lane 2: Mouse NIH/3T3 cell lysates Lane 3:
 Human Jurkat cell lysates Lane 4: Human HepG2
 cell lysates Lane 5: Human A431 cell lysates Lane
 6: Human SH-SY5Y cell lysates Lane 7: Human
 HUVEC cell lysates Primary: Anti-phospho-SHC1
 (Tyr317) (bs-3413R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 63 kDa
 Observed band size: 52 kDa

Paraformaldehyde-fixed, paraffin embedded
 (human brain glioma); Antigen retrieval by
 boiling in sodium citrate buffer (pH6.0) for
 15min; Block endogenous peroxidase by 3%
 hydrogen peroxide for 20 minutes; Blocking
 buffer (normal goat serum) at 37°C for 30min;
 Antibody incubation with (SHC (Tyr317))
 Polyclonal Antibody, Unconjugated (bs-3413R)
 at 1:400 overnight at 4°C, followed by operating
 according to SP Kit(Rabbit) (sp-0023)
 instructions and DAB staining.