

bs-3410R**[Primary Antibody]****phospho-SHC1 (Ser36) Rabbit pAb****BioSS**
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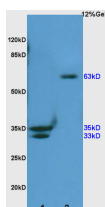
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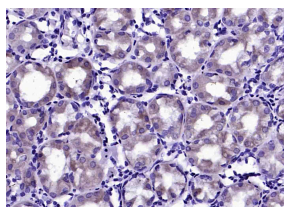
400-901-9800

— DATASHEET —

| | | |
|--|---|---|
| Host: Rabbit Clonality: Polyclonal GeneID: 6464 Target: phospho-SHC1 (Ser36) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human SHC around the phosphorylation site of Ser36: LP(p-S)PS. 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] | Isotype: IgG SWISS: P29353 | Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) |
| | | Reactivity: Human, Mouse, Rat |
| | | Predicted MW.: 63 kDa |
| | | Subcellular Location: Cytoplasm |

— VALIDATION IMAGES —

Sample: Lane1: Brain(Rat) Lysate at 30 ug Lane2: Heart(Rat) Lysate at 30 ug Primary: Anti-phospho-SHC(Ser36) (bs-3410R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 63kD Observed band size : 63kD



Paraformaldehyde-fixed, paraffin embedded (Human stomach); 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 (phospho-SHC1 (Ser36)) Polyclonal Antibody, Unconjugated (bs-3410R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.304]** Zhecheng Wang. et al. circ-CBFB upregulates p66Shc to perturb mitochondrial dynamics in APAP-induced liver injury. Cell Death Dis. 2020 Nov;11(11):1-15 WB ;Mouse. 33159035
- **[IF=3.642]** Huaping Zhang. et al. Genistein suppresses ox-LDL-elicited oxidative stress and senescence in HUVECs through the SIRT1-p66shc-Foxo3a pathways. 2021 Oct 31 WB ;Human. 34719845
- **[IF=0]** Wang et al. Protective Effects of Curcumin against Sodium Arsenite-induced Ovarian Oxidative Injury in a Mouse

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Model. (2017) Chin.Med.J.(Engl. 130:1026-1032 WB ;Mouse. 28469096