

Anti-Phospho-Shc (Tyr317) Polyclonal Antibody

Product Details

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|-------------------|---|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 66, 52, 46 kDa. |
| Purification: | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |

Applications

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| Application: | WB |
| Recommended | WB: 1:1000-2000 |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthesized phosphopeptide: human Shc around the phosphorylation site of Tyr317 |
| Antigen Species: | Human |
| Uniprot ID: | P29353 |
| Synonyms: | Shc (p-Y317);Shc (p-Tyr317);p-Shc (Tyr317);p-Shc (Y317) |

Research Background

SHC adaptor protein 1(SHC1) Homo sapiens 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],

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