Anti-Phospho-SHC (Tyr427) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108543

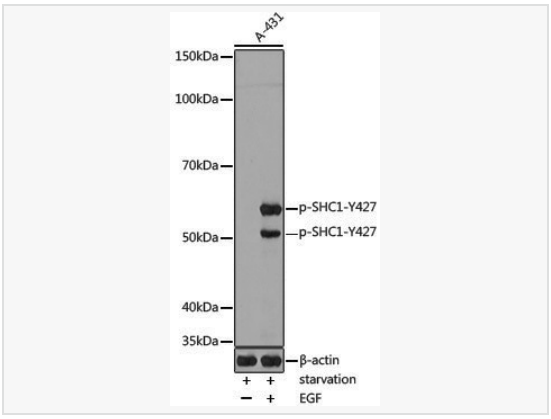
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y427 of human SHC1 (NP_892113.4).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-SHC (Tyr427) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	SHC; SHCA; Phospho-SHC1-Y427.
Calculated MW	Calculated MW: 63 kDa; Observed MW: 50 kDa/55 kDa
Uniprot ID	P29353
Gene ID	6464
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.

Validation Images



Western blot analysis of lysates from A-431 cells, using Phospho-SHC1-Y427 Rabbit pAb (P108543) at 1:1,000 dilution. A-431 cells were treated by EGF (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 180s.