

# AB-PN985

## Shc1-pY349+pY350 Antibody

Phosphosite-specific rabbit polyclonal antibody for Shc1 (Shc)



**KINEXUS**

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### Target Protein

<b>Protein Name Long:</b>	SHC (Src homology 2 domain containing) transforming protein 1
<b>Protein Alias:</b>	SHC (Src homology 2 domain containing) transforming protein 1; Src homology 2 domain-containing-transforming protein C1
<b>UniProt ID:</b>	P29353
<b>Protein Molecular Mass:</b>	62,822 Da (583 AA)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human Shc1
<b>Antibody Immunogen Sequence:</b>	PDHQ(pY)pY)NDF( $\beta$ A)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues P345 to F353. Shc1 Y349 and Y350 phosphorylation induce interaction with Grb2, and regulate apoptosis. These are among the major <i>in vivo</i> sites for phosphorylation of Shc1 based on $\geq 966$ and $\geq 962$ mass spectrometry reports, respectively, recorded in PhosphoSitePlus. Shc1 is known to be phosphorylated at this site <i>in vitro</i> by Y439 and Y350 by EGFR, Lck, Src, and ZAP70.
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
<b>Amount:</b>	25 $\mu$ g
<b>Antibody Concentration:</b>	0.75 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
<b>Storage Conditions:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
<b>Storage Stability:</b>	>2 years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Rhesus macaque   Dog   Rat   Mouse

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987