



# N-Shc Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-04045
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	SHC3
<b>Protein Name</b>	SHC-transforming protein 3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SHC3. AA range:291-340
<b>Specificity</b>	N-Shc Polyclonal Antibody detects endogenous levels of N-Shc protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SHC3; NSHC; SHCC; SHC-transforming protein 3; Neuronal Shc; N-Shc; Protein Rai; SHC-transforming protein C; Src homology 2 domain-containing-transforming protein C3; SH2 domain protein C3
<b>Observed Band</b>	48kD
<b>Cell Pathway</b>	cytosol,plasma membrane,
<b>Tissue Specificity</b>	Mainly expressed in brain. Hardly detectable in other tissues, except in pancreas. Highly expressed in the cerebral cortex, frontal and temporal lobes, occipital pole, hippocampus, caudate nucleus and amygdala. Expressed at low level in the cerebellum, medulla and spinal cord.
<b>Function</b>	function:Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons.,PTM:Tyrosine phosphorylated.,similarity:Contains 1 PID domain.,similarity:Contains 1 SH2 domain.,subunit:Interacts with the Trk receptors in a phosphotyrosine-dependent manner. Once activated, binds to GRB2. Interacts with activated EGF receptors.,tissue specificity:Mainly expressed in brain. Hardly detectable in other tissues, except in pancreas. Highly expressed in the cerebral cortex, frontal and temporal lobes, occipital pole, hippocampus, caudate nucleus and amygdala. Expressed at low level in the cerebellum, medulla and spinal cord.,

**Background**

function: Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons. PTM: Tyrosine phosphorylated. similarity: Contains 1 PID domain. similarity: Contains 1 SH2 domain. subunit: Interacts with the Trk receptors in a phosphotyrosine-dependent manner. Once activated, binds to GRB2. Interacts with activated EGF receptors. tissue specificity: Mainly expressed in brain. Hardly detectable in other tissues, except in pancreas. Highly expressed in the cerebral cortex, frontal and temporal lobes, occipital pole, hippocampus, caudate nucleus and amygdala. Expressed at low level in the cerebellum, medulla and spinal cord.

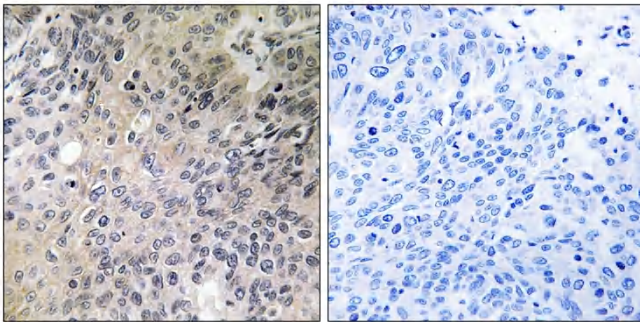
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using SHC3 Antibody. The picture on the right is blocked with the synthesized peptide.