Immunotag™ N-Shc Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3196
Product Description	Immunotag™ N-Shc Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	N-SHC
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from N-Shc, at AA range: 260-340
Specificity	N-Shc Polyclonal Antibody detects endogenous levels of N-Shc protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SHC3
Accession No.	Q92529 Q61120 O70143
Alternate Names	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

Antibody Specification

Description	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.,
Cell Pathway/ Category	ErbB_HER,Chemokine,Focal adhesion,Natural killer cell mediated cytotoxicity,Neurotrophin,Insulin_Receptor,Glioma,Chronic myeloid leukemia,
Protein Expression	Brain,Fetal brain,
Subcellular Localization	cytosol,plasma membrane,
Protein Function	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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.