

Rabbit Shc3 Polyclonal Antibody | anti-Shc3 antibody

Phospho-Shc3 (Tyr424) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329836	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (88%), Bovine (100%), Horse (88%), Sheep (100%), Rabbit (100%), Dog (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Shc3; Polyclonal Antibody; Phospho-Shc3 (Tyr424) Antibody; N SHC; N-Shc; Neuronal Shc; NSHC; Protein Rai; Rai; SH2 domain protein C3; SHC (Src homology 2 domain containing) transforming protein 3; SHC adaptor protein 3; SHC protein C; SHC-like protein; neuronal; SHC-transforming protein 3; SHC-transforming protein C; Shc3 p51; SHC3_HUMAN; SHCC; Src homology 2 domain-containing transforming protein; Src homology 2 domain-containing-transforming protein C3; anti-Shc3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (88%), Bovine (100%), Horse (88%), Sheep (100%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Shc3 (Tyr424) Antibody detects endogenous levels of Shc3 only when phosphorylated at Tyr424. 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.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Shc3 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Shc3 around the phosphorylation site of Tyr424.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Tyrosine phosphorylated.
Subunit Structure	Interacts with the Trk receptors in a phosphotyrosine-dependent manner. Once activated, binds to GRB2. Interacts with activated EGF receptors.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

Staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis Shc3 (Phospho-Tyr424) using K562 whole cell lysates. -/+ means absence or presence of N peptide(1/4 non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-Shc3 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224586793
NCBI GeneID	53358
NCBI Accession #	NP_058544.3
NCBI GenBank Nucleotide #	NM_016848.5
UniProt Accession #	Q92529; Q5T7I7; Q8TAP2; Q9UCX5
Molecular Weight	64,056 Da
NCBI Official Full Name	SHC-transforming protein 3
NCBI Official Synonym Full Names	SHC (Src homology 2 domain containing) transforming protein 3
NCBI Official Symbol	SHC3
NCBI Official Synonym Symbols	RAI; NSHC; SHCC; N-Shc
NCBI Protein Information	SHC-transforming protein 3; protein Rai; neuronal Shc; SH2 domain protein C3; SHC-transforming protein C; src homology 2 domain-containing transforming protein C3; src homology 2 domain-containing-transforming protein C3
UniProt Protein Name	SHC-transforming protein 3
UniProt Gene Name	SHC3
UniProt Synonym Gene Names	NSHC; SHCC; N-Shc
UniProt Entry Name	SHC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.