SHTN1 RABBIT PAB

: S222304
: SHTN1
KIAA1598; shootin-1

UNIPROT ID: A0MZ66 (Gene Accession - NP_001120683)

: Involved in the generation of internal asymmetric signals required for neuronal polarization and neurite outgrowth. Mediates netrin-1-induced F-actin-substrate coupling or 'clutch engagement' within the axon growth cone through activation of CDC42, RAC1 and PAK1-dependent signaling pathway, thereby converting the F-actin retrograde flow into traction forces, concomitantly with filopodium extension and axon outgrowth. Plays a role in cytoskeletal organization by regulating the subcellular localization of phosphoinositide 3-kinase (PI3K) activity at the axonal growth cone. Plays also a role in regenerative neurite outgrowth. In the developing corte,x cooperates with KIF20B to promote both the transition from the multipolar to the bipolar stage and the radial migration of cortical neurons from the ventricular zone toward the superficial layer of the neocortex. Involved in the accumulation of phosphatidylinositol 3,4,5-trisphosphate (PIP3) in the growth cone of primary hippocampal neurons.

: Synthetic peptide of human SHTN1
: ELISA, IHC
: IHC: 50-100; ELISA: 5000-10000
: Rabbit
Rabbit Polyclonal
: Immunogen-specific rabbit IgG
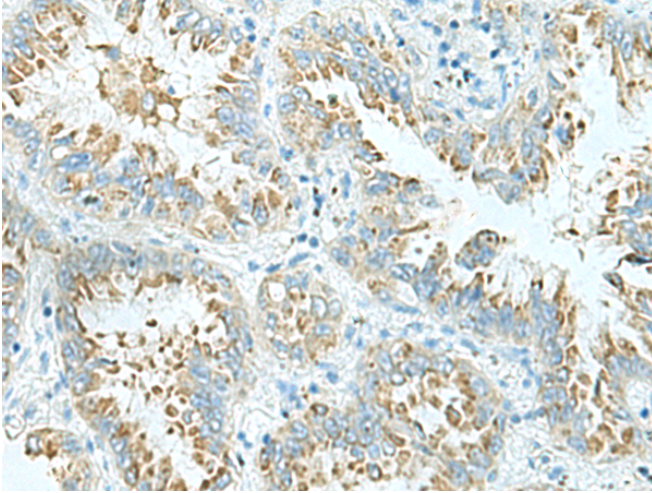: Antigen affinity purification
: Human
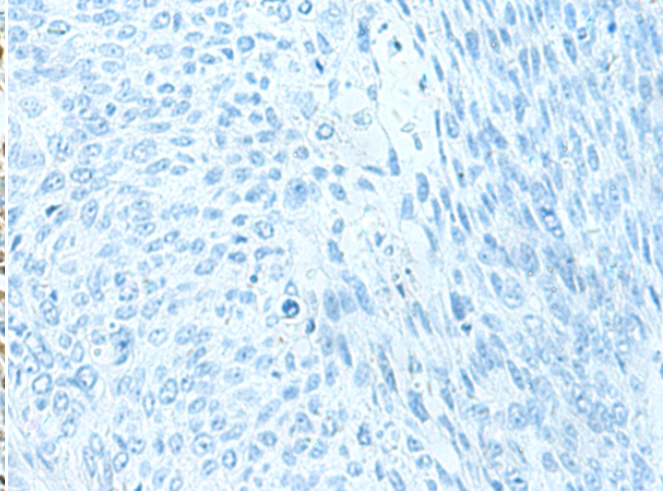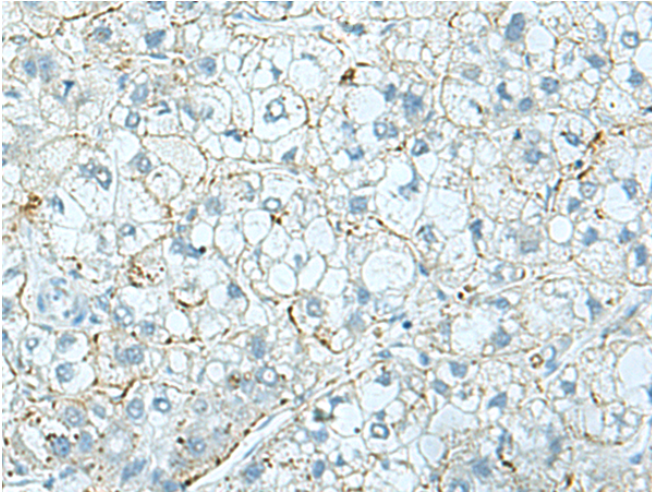: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
: Neuroscience
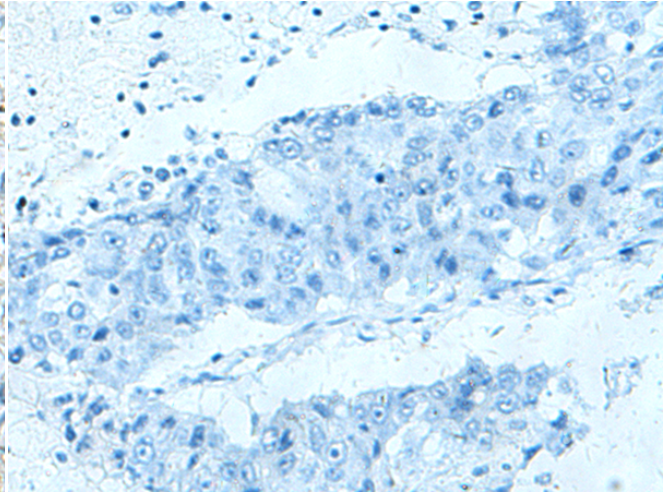: Store at -20ºC. Avoid repeated freezing and thawing

Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 222304(SHTN1 Antibody) at a dilution of 1/30(Cytoplasm).

In comparision with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the synthetic peptide and then with 222304(Anti-SHTN1 Antibody) at dilution 1/30.

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 222304(Anti-SHTN1 Antibody) at a dilution of 1/30.

In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with synthetic peptide and then with D264361(Anti-SHTN1 Antibody) at dilution 1/30.