SHTN1 Polyclonal Antibody

Catalog No. E-AB-52104

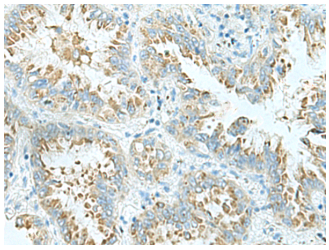
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

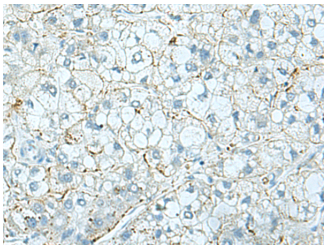
Reactivity	Human
Immunogen	Synthetic peptide of human SHTN1
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Applications	Recommended Dilution
IHC	1:50-1:100

Data



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using SHTN1 Polyclonal Antibody at dilution of 1:30(×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using SHTN1 Polyclonal Antibody at dilution of 1:30(×200)

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

Background

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 cortex, 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.

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