

Datasheet for ABIN7245500  
**anti-Shootin-1 (SHTN1) antibody**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	200 µL
Target:	Shootin-1 (SHTN1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Synthetic peptide of human SHTN1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

## Target Details

Target:	Shootin-1 (SHTN1)
Alternative Name:	SHTN1 ( <a href="#">SHTN1 Products</a> )
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

## Target Details

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.

Molecular Weight: Observed\_MW: Refer to figures  
Calculated\_MW: 72 kDa

UniProt: [A0MZ66](#)

## Application Details

Application Notes: WB 1:500-1:2000, IHC 1:50-1:100, ELISA 1:5000-1:10000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.78 mg/mL

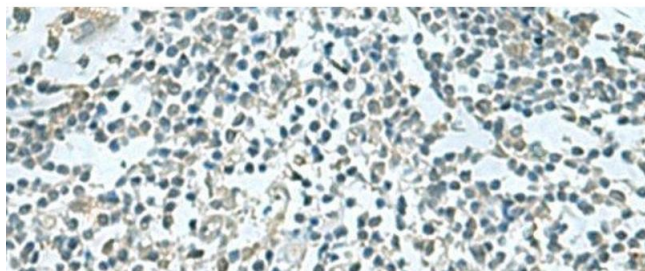
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

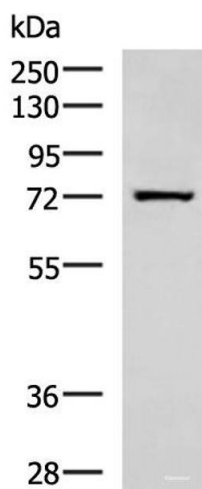
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human tonsil tissue using SHTN1 Polyclonal Antibody at dilution of 1:60(x200)



#### Western Blotting

**Image 2.** Western blot analysis of Human fetal liver tissue lysate using SHTN1 Polyclonal Antibody at dilution of 1:600