

Datasheet for ABIN6265357

**anti-STXBP1 antibody**

3 Images

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## Overview

Quantity:	100 µL
Target:	STXBP1
Reactivity:	Human, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human STXBP1
Isotype:	IgG
Specificity:	STXBP1 Antibody detects endogenous levels of total STXBP1
Cross-Reactivity:	Human, Monkey, Mouse (Murine)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	STXBP1
Alternative Name:	STXBP1 ( <a href="#">STXBP1 Products</a> )

## Target Details

**Background:** Description: May participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. May play a role in determining the specificity of intracellular fusion reactions.

Gene: STXBP1

**Molecular Weight:** 68 kDa

**Gene ID:** 6812

**UniProt:** [P61764](#)

**Pathways:** [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

## Application Details

**Application Notes:** WB 1:1000-3000 IHC 1:200, IF/ICC 1:100-1:500

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

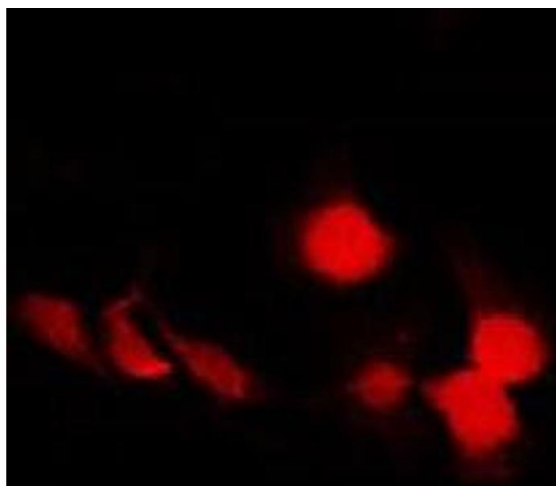
**Preservative:** Sodium azide

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

**Storage:** -20 °C

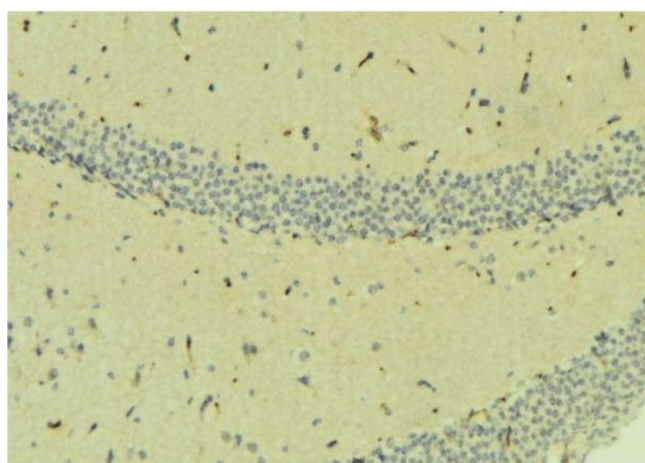
**Storage Comment:** Store at -20 °C.Stable for 12 months from date of receipt

**Expiry Date:** 12 months



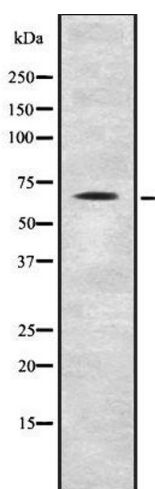
#### Immunofluorescence (fixed cells)

**Image 1.** ABIN6278222 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody



#### Immunohistochemistry

**Image 2.** ABIN6278222 at 1/100 staining Mouse 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 antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



#### Western Blotting

**Image 3.** Western blot analysis STXBP1 using HeLa whole cell lysates