

Datasheet for ABIN6265412

**anti-SYT10 antibody**

## 2 Images

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## Overview

Quantity:	100 µL
Target:	SYT10
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT10 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Immunogen:	A synthesized peptide derived from human SYT10
Isotype:	IgG
Specificity:	SYT10 Antibody detects endogenous levels of total SYT10
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	SYT10
Alternative Name:	SYT10 ( <a href="#">SYT10 Products</a> )
Background:	Description: Ca <sup>2+</sup> sensor specifically required for the Ca <sup>2+</sup> -dependent exocytosis of secretory

## Target Details

vesicles containing IGF1 in neurons of the olfactory bulb. Exocytosis of IGF1 is required for sensory perception of smell. Not involved in Ca<sup>2+</sup>-dependent synaptic vesicle exocytosis (By similarity). Acts through Ca<sup>2+</sup> and phospholipid binding to the C2 domain: Ca<sup>2+</sup> induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes, both actions contribute to triggering exocytosis (By similarity).

Gene: SYT10

Molecular Weight: 59 kDa

Gene ID: 341359

UniProt: [Q6XYQ8](#)

## Application Details

Application Notes: WB 1:1000-3000, 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.

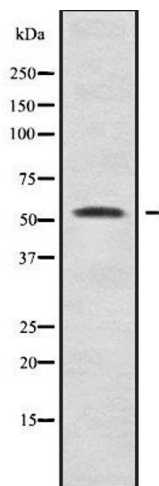
Preservative: Sodium azide

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

Storage: -20 °C

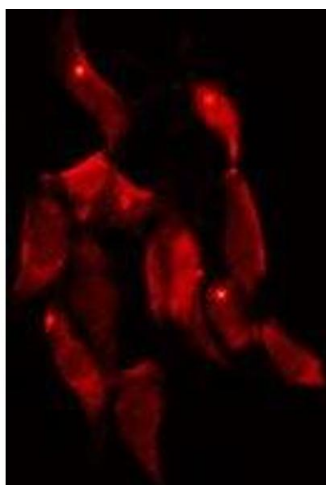
Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months



### Western Blotting

**Image 1.** Western blot analysis SYT10 using COS7 whole cell lysates



### Immunofluorescence (fixed cells)

**Image 2.** ABIN6279864 staining 293 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