

Datasheet for ABIN1742203  
**anti-SYT2 antibody (Lumenal Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	50 µg
Target:	SYT2
Binding Specificity:	AA 1-11, Lumenal Region
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Synthetic peptide (aa 1-11 in mouse synaptotagmin 2) coupled to key-hole limpet hemocyanin via an added C-terminal cysteine.
Specificity:	Specific for synaptotagmin 2.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

## Target Details

Target:	SYT2
Alternative Name:	Synaptotagmin 2 ( <a href="#">SYT2 Products</a> )
Pathways:	<a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes: WB: 1 : 1000 (AP staining)  
ICC: 1 : 100  
IHC: not tested yet

Comment: These antibodies can be used for labeling of recycling synaptic vesicles by adding to living neurons or as a marker for exocytosis in isolated nerve terminals.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: For reconstitution add 50 µL H<sub>2</sub>O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.

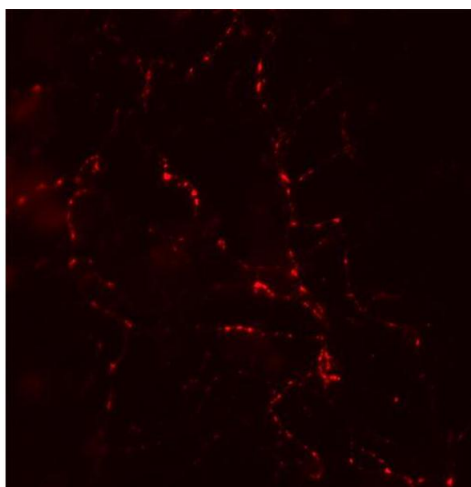
Buffer: PBS

Handling Advice: Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.

Storage: -20 °C

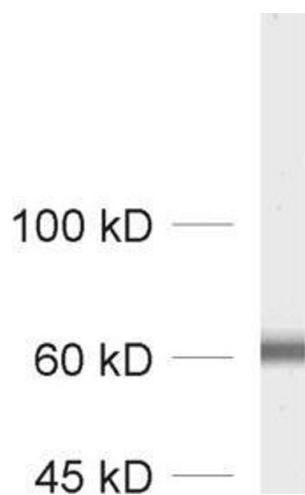
Storage Comment: Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

## Validation report #101568 for Immunofluorescence (IF)



### Immunocytochemistry

**Image 1.** Labeling of recycling vesicles in cultured neurons from rat cerebellum (dilution 1 : 100)



Western Blotting

**Image 2.** dilution: 1 : 1000, sample: synaptic vesicle fraction of rat brain (LP2)