

A0992

Leader in Biomolecular Solutions for Life Science



## SYT1 Rabbit pAb

Catalog No.: A0992

7 Publications

### Basic Information

#### Observed MW

60kDa

#### Calculated MW

48kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### Background

This gene encodes a member of the synaptotagmin protein family. The synaptotagmins are integral membrane proteins of synaptic vesicles that serve as calcium sensors in the process of vesicular trafficking and exocytosis. The encoded protein participates in triggering neurotransmitter release at the synapse in response to calcium binding. Mutations in this gene are associated with Baker-Gordon syndrome.

### Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

### Immunogen Information

#### Gene ID

6857

#### Swiss Prot

P21579

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 84-157 of human SYT1 (NP\_005630.1).

#### Synonyms

P65; SYT; BAGOS; SVP65; SYT1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

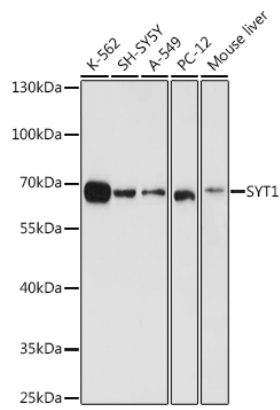
Affinity purification

#### Storage

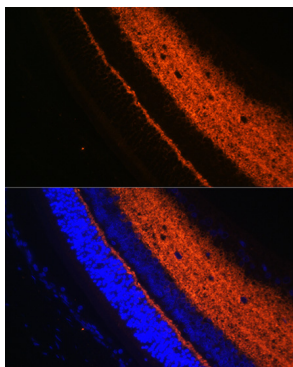
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

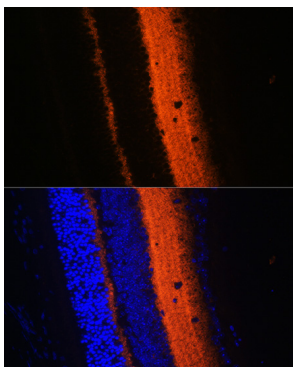
Validation Data



Western blot analysis of extracts of various cell lines, using SYT1 antibody (A0992) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Immunofluorescence analysis of rat eye using SYT1 Rabbit pAb (A0992) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse eye using SYT1 Rabbit pAb (A0992) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.