

For Research Use Only

# Synaptotagmin-12 Polyclonal antibody

Catalog Number: 55015-1-AP

3 Publications



## Basic Information

**Catalog Number:**

55015-1-AP

**Size:**

150ul, Concentration: 700 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_177963

**GeneID (NCBI):**

91683

**UNIPROT ID:**

Q8IV01

**Full Name:**

synaptotagmin XII

**Calculated MW:**

47 kDa

**Observed MW:**

47 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2400

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

WB : mouse brain tissue, SH-SY5Y cells

## Background Information

SYT12 belongs to the synaptotagmin family. It may be involved in Ca<sup>2+</sup>-dependent exocytosis of secretory vesicles through Ca<sup>2+</sup> and phospholipid binding to the C2 domain or may serve as Ca<sup>2+</sup> sensors in the process of vesicular trafficking and exocytosis. The antibody is specific to STY12.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yingchao Li	32587661	Oxid Med Cell Longev	WB
Xingdong Niu	39472897	BMC Cancer	WB
Hongfei Xu	37723322	Nat Neurosci	WB,IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

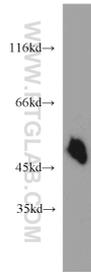
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55015-1-AP (Synaptotagmin-12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.