

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 Ca²⁺-dependent exocytosis of secretory vesicles through Ca²⁺ and phospholipid binding to the C2 domain or may serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis. The antibody is specific to SYT12.

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

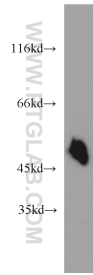
For technical support and original validation data for this product please contact:

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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.