

For Research Use Only

Synaptotagmin-14 Polyclonal antibody

Catalog Number: 20561-1-AP



Basic Information

Catalog Number:

20561-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_153262

GeneID (NCBI):

255928

UNIPROT ID:

Q8NB59

Full Name:

synaptotagmin XIV

Calculated MW:

62 kDa

Observed MW:

62-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis (PMID: 8058779). Synaptotagmin-14 (SYT14) is highly expressed in brain tissues. A homozygous mutation of SYT14 is involved in the pathogenesis of spinocerebellar ataxia (SCA) (PMID: 21835308).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

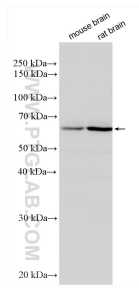
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20561-1-AP (Synaptotagmin-14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.