

For Research Use Only

Synaptotagmin-14 Polyclonal antibody, PBS Only

Catalog Number: 20561-1-PBS



Basic Information

Catalog Number:

20561-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

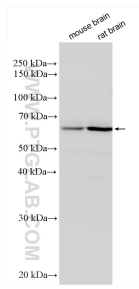
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 20561-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 20561-1-AP (Synaptotagmin-14 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20561-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 20561-1-AP (Synaptotagmin-14 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20561-1-PBS in a different storage buffer formulation.