

For Research Use Only

Synaptotagmin-8 Polyclonal antibody

Catalog Number:20671-1-AP



Basic Information

Catalog Number:

20671-1-AP

Size:

150ul , Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_138567

GeneID (NCBI):

90019

UNIPROT ID:

Q8NBV8

Full Name:

synaptotagmin VIII

Calculated MW:

44 kDa

Observed MW:

40 kDa, 50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : human placenta tissue, mouse placenta tissue

IF/ICC : Caco-2 cells,

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). SYT8 (synaptotagmin-8) is related to insulin secretion, and its expression is positively regulated by the insulin promoter (PMID: 21336277). Due to alternative splicing, SYT8 may produce proteins with molecular weights between 25 and 40 to 44 kDa. An additional band of 50 kDa could also be detected (PMID: 16386321)

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**

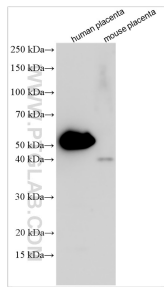
For technical support and original validation data for this product please contact:

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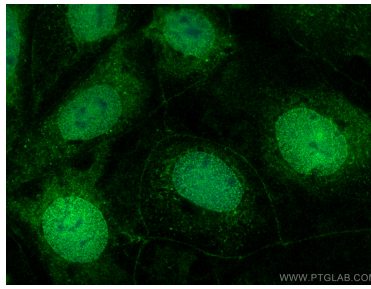
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20671-1-AP (Synaptotagmin-8 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Caco-2 cells using Synaptotagmin-8 antibody (20671-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).