

# Synaptotagmin-8 Polyclonal antibody

Catalog Number: 20671-1-AP

## Basic Information

**Catalog Number:**

20671-1-AP

**Size:**

300 µg/ml

**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 Ca<sup>2+</sup> 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:**

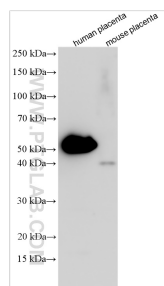
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

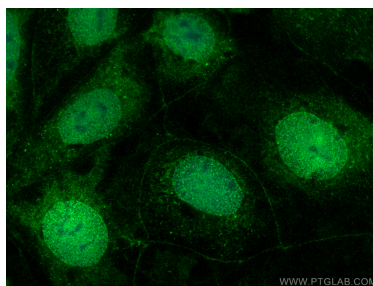
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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 AffiniPure Goat Anti-Rabbit IgG(H+L).