

For Research Use Only

# Syntaxin 8 Polyclonal antibody

Catalog Number: 12206-1-AP **2 Publications**



## Basic Information

|                                                                                                                          |                                              |                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>12206-1-AP                                                                                     | <b>GenBank Accession Number:</b><br>BC009713 | <b>Purification Method:</b><br>Antigen affinity purification                                     |
| <b>Size:</b><br>150ul , Concentration: 550 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>9482                | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| <b>Source:</b><br>Rabbit                                                                                                 | <b>Full Name:</b><br>syntaxin 8              | <b>IF 1:10-1:100</b>                                                                             |
| <b>Isotype:</b><br>IgG                                                                                                   | <b>Calculated MW:</b><br>236 aa, 27 kDa      |                                                                                                  |
| <b>Immunogen Catalog Number:</b><br>AG2850                                                                               | <b>Observed MW:</b><br>27 kDa                |                                                                                                  |

## Applications

|                                                      |                                                                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>FC, IF, IP, WB, ELISA | <b>Positive Controls:</b>                                                                                                                                                |
| <b>Cited Applications:</b><br>CoIP, WB               | <b>WB :</b> human heart tissue, A375 cells, human brain tissue, human kidney tissue, human liver tissue, human lung tissue, human placenta tissue, mouse pancreas tissue |
| <b>Species Specificity:</b><br>human, mouse, rat     | <b>IP :</b> A375 cells,                                                                                                                                                  |
| <b>Cited Species:</b><br>mouse, rat                  | <b>IF :</b> HepG2 cells,                                                                                                                                                 |

## Background Information

Syntaxin 8 (STX8), also known as CIP-1-associated regulator of cyclin B (CARB), is a protein belongs to the syntaxin family. The gene of STX8 maps to chromosomal band 17p12 and it encodes a 236-amino-acid protein containing 1 t-SNARE coiled-coil homology domain. STX8 mRNA is broadly expressed in multiple human tissues, including heart, brain, kidney, liver, lung, placenta, skeletal muscle, spleen and pancreas (PMID: 10198254). STX8 is involved in protein trafficking from early to late endosomes via vesicle fusion and exocytosis.

## Notable Publications

| Author    | Pubmed ID | Journal     | Application |
|-----------|-----------|-------------|-------------|
| Min Li    | 36053215  | J Cell Biol | WB, CoIP    |
| Mona Abed | 30951545  | PLoS One    |             |

## Storage

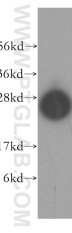
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

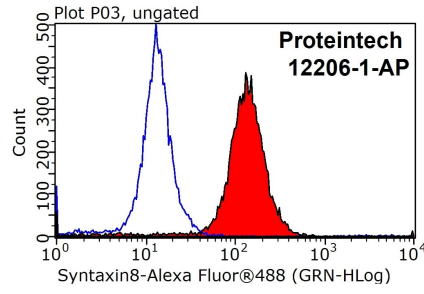
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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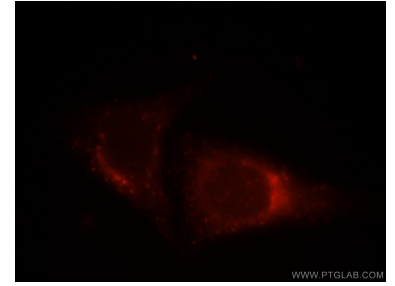
## Selected Validation Data



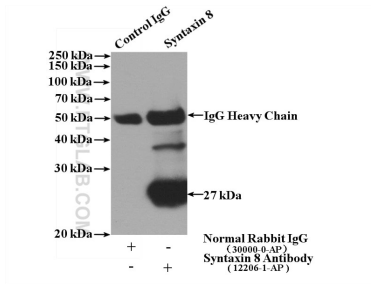
human heart tissue were subjected to SDS PAGE followed by western blot with 12206-1-AP (Syntaxin 8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug Syntaxin 8 antibody (12206-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunofluorescent analysis of HepG2 cells, using STX8 antibody 12206-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-Syntaxin 8 (IP:12206-1-AP, 4ug; Detection:12206-1-AP 1:500) with A375 cells lysate 3600ug.