

# Synaptophysin (PT0840R) PT™ Rabbit mAb

CatalogNo: YM8609 **Recombinant** 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, ELISA

### MW

- 34kD (Calculated)
- 38kD (Observed)

### Isotype

- IgG, Kappa

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

## Recommended Dilution Ratios

**IHC 1:2000-1:50000****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

## Basic Information

**Clonality** Monoclonal**Clone Number** PT0840R

## Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** SYP

**Protein Name** Major synaptic vesicle protein p38;MRX96;MRXSYP;Syn p38;Synaptophysin;Syp;SYPH;SYPH\_HUMAN;Synp

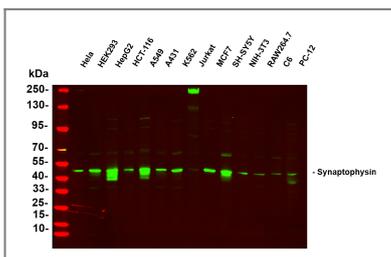
Organism	Gene ID	UniProt ID
Human	<a href="#">6855;</a>	<a href="#">P08247;</a>
Mouse	<a href="#">20977;</a>	<a href="#">Q62277;</a>
Rat	<a href="#">24804;</a>	<a href="#">P07825;</a>

**Cellular Localization** Cytoplasmic

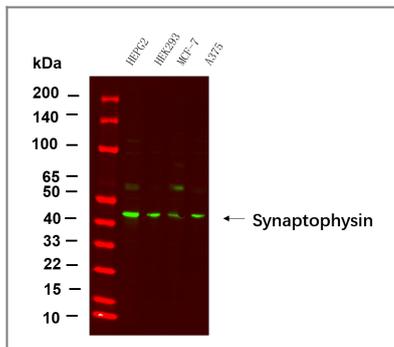
**Tissue specificity** Pancreas/ Colon

**Function** Domain:The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.,Function:Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane.,online information:Synaptophysin entry,PTM:Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.,similarity:Belongs to the synaptophysin/synaptobrevin family.,similarity:Contains 1 MARVEL domain.,subunit:Homohexamer or homotetramer.,tissue specificity:Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.,

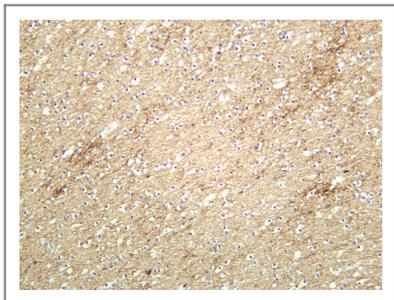
## Validation Data



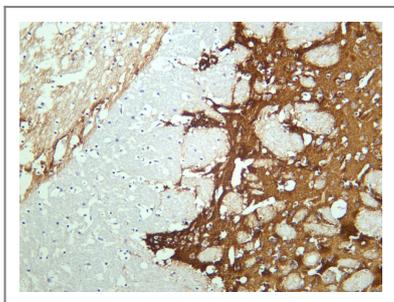
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4~C, over night with a 1:5000 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody. Lane1: HeLa - Human cervical cancer Lane2: HEK293 - Human normal embryonic kidney Lane3: HepG2 - Human hepatocellular carcinoma Lane4: HCT-116 - Human colon cancer Lane5: A549 - Human lung adenocarcinoma Lane6: A431 - Human skin squamous cell carcinoma Lane7: K562 - Human chronic myeloid leukemia Lane8: Jurkat - Human acute T cell leukemia cells Lane9: MCF7 - Human breast cancer Lane10: SH-SY5Y - Human neuroblastoma cells Lane11: NIH-3T3 - NIH mouse fibroblasts Lane12: RAW264.7 - Mouse mononuclear macrophage leukemia cells Lane13: C6 - Rat glioma cells Lane14: PC-12 - Pheochromocytoma in rats



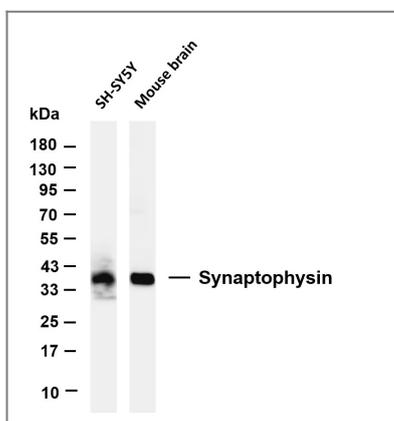
Western blot analysis of lysates from various cell , (Green) primary antibody was diluted at 1:5000, 4° over night, Dylight 800 secondary antibody(Immunoway:RS23920)was diluted at 1:10000, 37° 1hour.



Human brain was stained with anti-Synaptophysin rabbit antibody



Mouse brain was stained with anti-Synaptophysin rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Synaptophysin antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: SH-SY5Y Lane 2: Mouse brain Predicted band size: 34kDa Observed band size: 38kDa

## Contact information

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Please scan the QR code to access additional product information:  
**Synaptophysin (PT0840R) PT™ Rabbit mAb**

