



Synaptophysin Rabbit mAb

Catalog No	YP-rAb-17503
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	SYP
Protein Name	Major synaptic vesicle protein p38;MRX96;MRXSYP;Syn p38;Synaptophysin;Syp;SYPH;SYPH_HUMAN;Sypl
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:2000-1:50000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	Synaptophysin;Major synaptic vesicle protein p38;MRX96;MRXSYP;Syn p38;Syp;SYPH;SYPH_HUMAN;Sypl;Major synaptic vesicle protein p38 ; MRX96 ; MRXSYP ; Syn p38 ; Synaptophysin ; Syp ; SYPH ; SYPH_HUMAN ; Sypl
Observed Band	38kD
Calculated Molecular Weight	34kD
Cell Pathway	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:Homo hexamer 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.,



Background

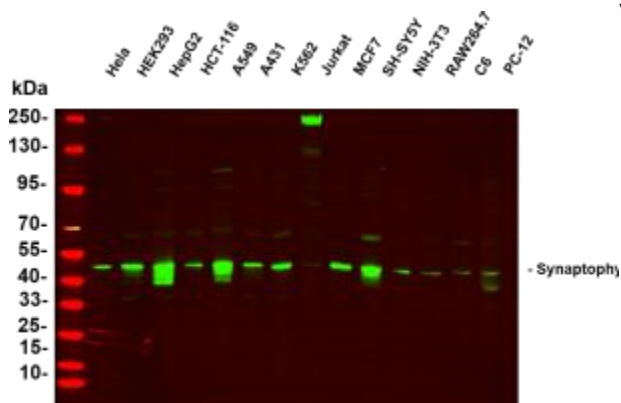
This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with X-linked mental retardation (XLMR). [provided by RefSeq, Aug 2011],

matters needing attention

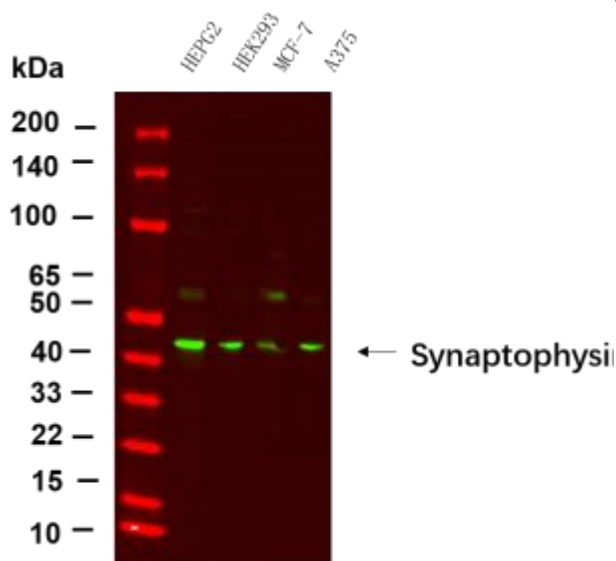
Avoid repeated freezing and thawing!

Usage suggestions

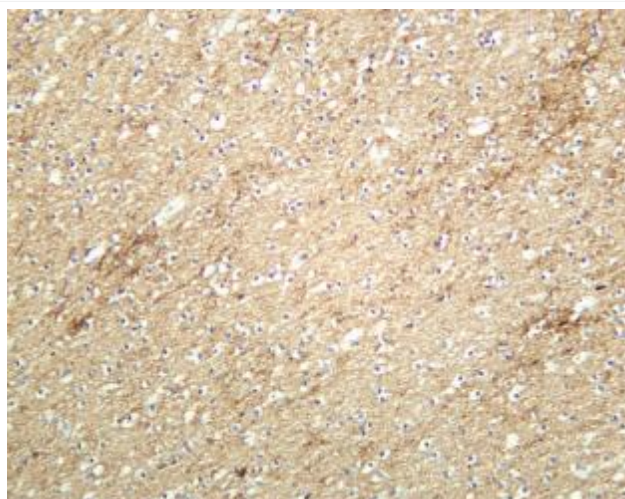
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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



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



Human brain was stained with anti-Synaptophysin rabbit antibody

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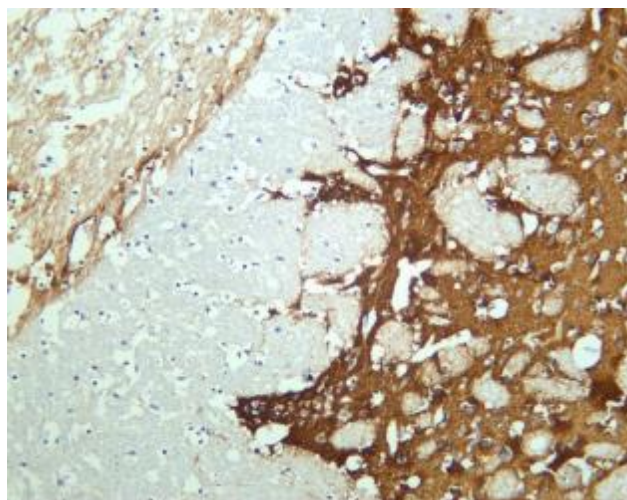
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| 宏基因组、转录组、基因组、蛋白质组、代谢组测序



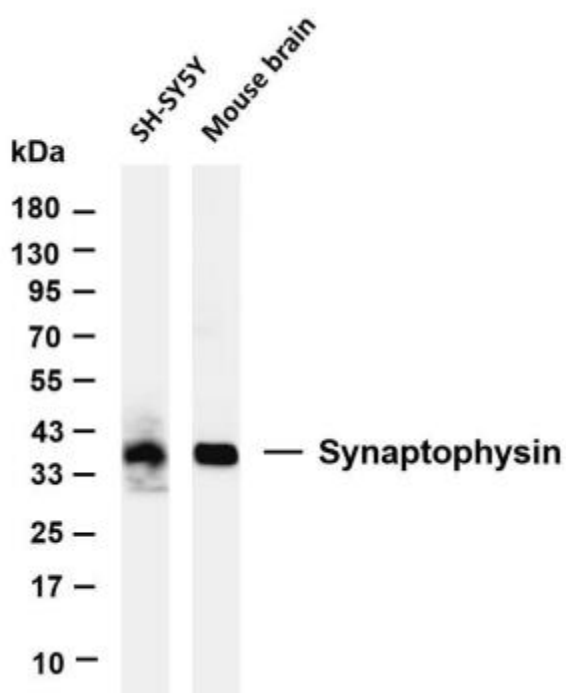
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Mouse brain was stained with anti-Synaptophysin rabbit antibody



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

