



Synaptophysin

SYP UltraMAB[®] Antibody

SKU#	UM500079
Target	Homo sapiens synaptophysin (SYP)
Host	Mouse
Reactivity	Human, Rat
Tested Application	WB, IHC, IF
Dilution	WB: 1:2000, IHC: 1:100, IF: 1:100

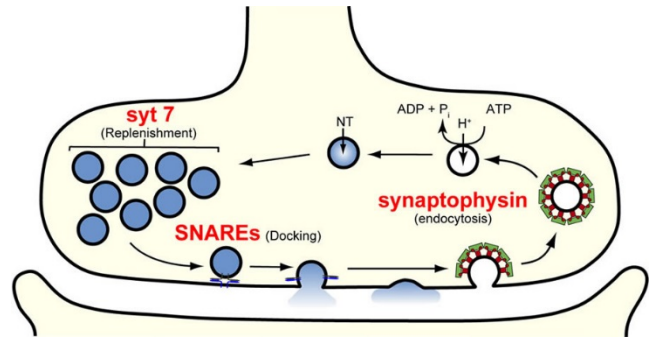
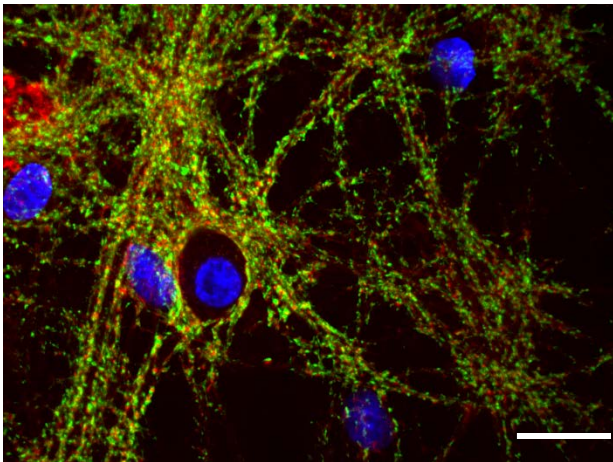
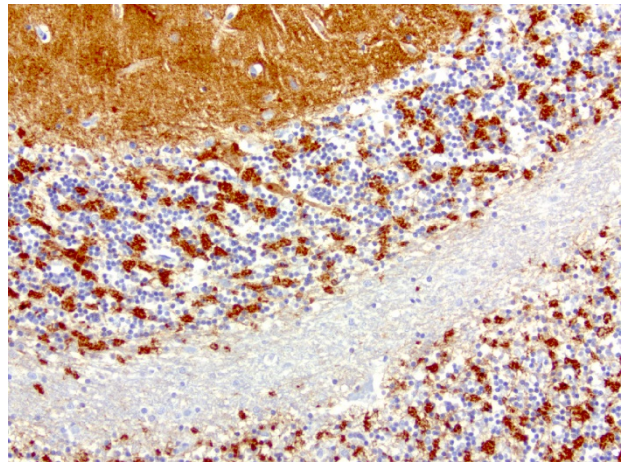


Image reference: www.hhmi.org/research/membrane-trafficking-neurons-and-presynaptic-aspects-synaptic-transmission

- SYP is a major synaptic vesicle protein, often used as a general presynaptic compartment marker.
- Mutations are associated with X-linked mental retardation (XLMR)



Confocal immunofluorescence image of primary rat hippocampal neurons labeled with SYP mouse monoclonal antibody (green) (SKU# UM500079), Phalloidin-TRITC (red), and DAPI (blue) for nuclear. Scale bar, 20 μ m



IHC staining of FFPE human adult brain using SYP mouse monoclonal antibody (SKU# UM500079). For FFPE tissues, HIER pretreatment with citrate pH 6.0 is required. Detection was done with Polink2 HRP for DAB.



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Antibodies against commonly studied proteins in Neuroscience

Protein Name	Antibody Description	SKU
5-HTT	Rabbit Polyclonal Anti-Serotonin Transporter (SERT) (extracellular)	TA328879
ALDH1L1	ALDH1L1 mouse monoclonal antibody, clone UMAB45	UM500041
GABAA	Rabbit Polyclonal Anti-GABA (B) R1 (extracellular)	TA328819
GABAB	Rabbit Polyclonal Anti-GABA (B) R2	TA328675
GAD65	Rabbit Polyclonal antibody to GAD65	TA308367
GIRK2	Rabbit polyclonal Anti-Kir3.2 (GIRK2)	TA328926
GluR1	Rabbit Polyclonal Anti-AMPA Receptor 1 (GluA1) (extracellular)	TA328823
GluR2	Rabbit Polyclonal Anti-AMPA Receptor 2 (GluA2) (extracellular)	TA328824
vGluT2	vGluT2/SLC17A6 Rabbit Polyclonal Antibody	TA322266
LRRK2	Rabbit Polyclonal LRRK2 Antibody	TA309737
MAP2	Mouse monoclonal MAP2 Antibody	TA324336
N-Cadherin	NCAM1/CD56 mouse monoclonal antibody, clone UMAB194	UM800086
Nestin	Rabbit polyclonal Nestin Antibody (S1409)	TA324694
NeuN	Rabbit Polyclonal RBFOX3/NeuN Antibody	TA309832
NeuroD1	Rabbit polyclonal NeuroD1 Antibody (N-term)	TA324696
Notch1	Anti-Notch1 mouse monoclonal antibody, clone OTI3E12	TA500078
NR1	Rabbit Polyclonal Anti-NMDA Receptor 1 (NR1) (extracellular)	TA328820
NR2B	Rabbit polyclonal NMDAR2B (Tyr1336) antibody(Phospho-specific)	TA313307
Nurr1	Rabbit polyclonal NURR1 (NR4A2) Antibody (N-term)	TA324841
PSD95	PSD95/DLG4 mouse monoclonal antibody, clone OTI12A5	TA809015
SOX1	Rabbit monoclonal antibody against SOX1(clone EPR4766)	TA307867
SOX2	Rabbit Polyclonal Antibody against SOX2 - Embryonic Stem Cell Marker	TA301462
SOX3	Goat Anti-SOX3 Antibody	TA311340
Tau	Rabbit polyclonal TAU Antibody	TA324703
Beta Tubulin	Rabbit polyclonal anti-TUBB(beta Tubulin) antibody, Loading control	TA301569
Vimentin	Vimentin (VIM) mouse monoclonal antibody, clone UMAB160	UM800055

For more antibodies, please visit www.origene.com/antibody/

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