

# Synaptophysin

## SYP UltraMAB<sup>®</sup> Antibody

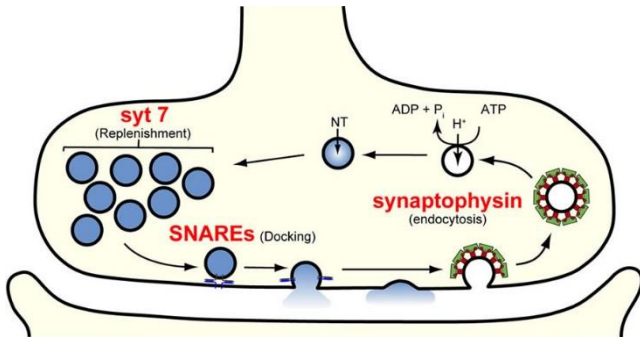
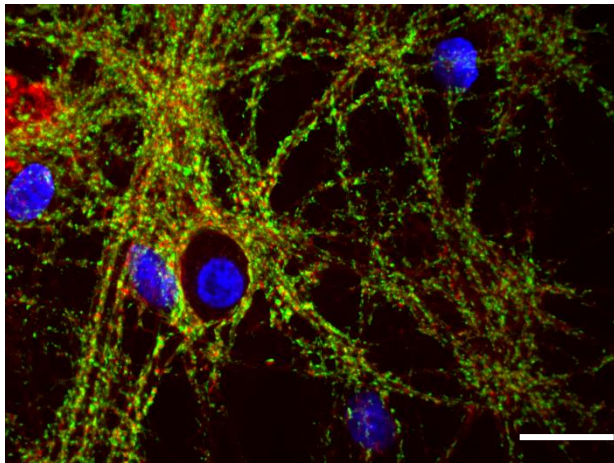


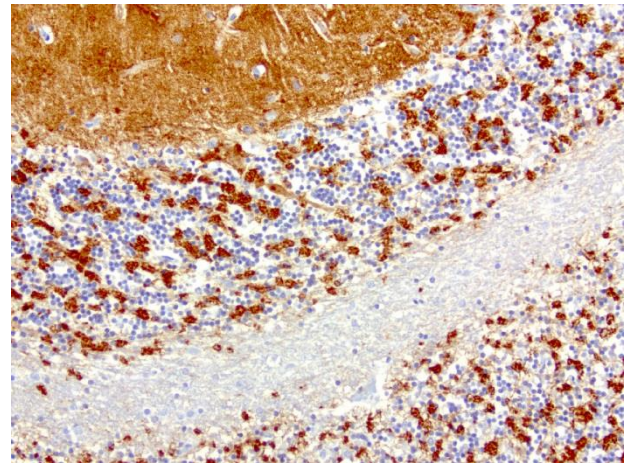
Image reference: [www.hhmi.org/research/membrane-trafficking-neurons-and-presynaptic-aspects-synaptic-transmission](http://www.hhmi.org/research/membrane-trafficking-neurons-and-presynaptic-aspects-synaptic-transmission)

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

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



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 μm



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.

# Common Targets In Neuroscience

Targets	Product Description	SKU
UCH-L1 (PGP9.5)	Mouse Monoclonal Antibody	UM800136
	Purified Recombinant Protein	TP301803
	Over-expression Lysate	LY401345
	Tagged Lentiviral ORF Clone	RC201803L3
	Gene Knockout Kit (CRISPR)	KN401803
GFAP	Mouse Monoclonal Antibody	UM500094
	Purified Recombinant Protein	TP304548
	Over-expression Lysate	LY419563
	Tagged Lentiviral ORF Clone	RC204548L3
	Gene Knockout Kit (CRISPR)	KN404548
N-Cadherin (CCH2)	Mouse Monoclonal Antibody	UM500023
	Purified Recombinant Protein	TP307170
	Over-expression Lysate	LY419743
	Tagged Lentiviral ORF Clone	RC207170L3
	Gene Knockout Kit (CRISPR)	KN407170
IDH1	Mouse Monoclonal Antibody	TA500610
	Purified Recombinant Protein	TP310582
	Over-expression Lysate	LY401782
	Tagged Lentiviral ORF Clone	RC210582L3
	Gene Knockout Kit (CRISPR)	KN410582
Vimentin (VIM)	Mouse Monoclonal Antibody	UM800055
	Purified Recombinant Protein	TP301546
	Over-expression Lysate	LY401165
	Tagged Lentiviral ORF Clone	RC201546L3
	Gene Knockout Kit (CRISPR)	KN401546
SOX2	Rabbit Monoclonal Antibody	TA591006
	Purified Recombinant Protein	TP300757
	Over-expression Lysate	LY401083
	Tagged Lentiviral ORF Clone	RC200757L3
	Gene Knockout Kit (CRISPR)	KN400757
Tau (MAPT)	Mouse Monoclonal Antibody	UM800131
	Purified Recombinant Protein	TP313312
	Over-expression Lysate	LY401790
	Tagged Lentiviral ORF Clone	RC213312L3
	Gene Knockout Kit (CRISPR)	KN413312

For more targets, please visit [www.origene.com](http://www.origene.com)