

Basic Information

Product Name	Anti-Synaptophysin/SYP Antibody (Clone#OTI1D4)	
Gene Name	SYP	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, mouse, rat	
Tested Application	IHC, ICC/IF, WB	
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human SYP(NP_003170) produced in HEK293T cell.	
Concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	33.7 kDa	
Dilution Ratios	Western blot (WB):	1:6000
	Immunohistochemistry (IHC):	1:150
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:100

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

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 an X-linked form of cognitive disability.

Selected Validation Data

Product datasheet

Anti-Synaptophysin/SYP Antibody
(Clone#OTI1D4)

Catalog Number: M05049-5

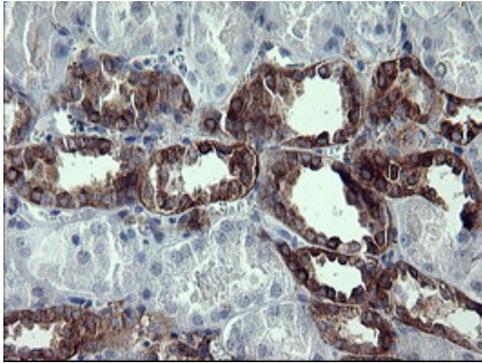
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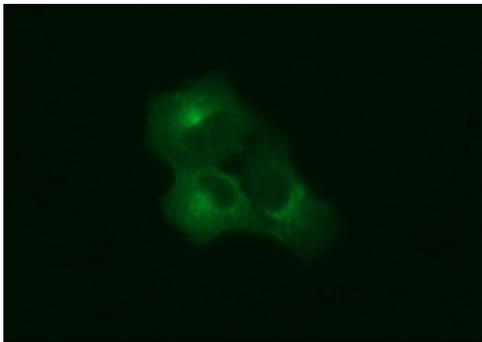
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Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SYP mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, M05049-5)



Anti-SYP mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SYP .

Anti-Synaptophysin/SYP Antibody
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170 —
130 —
100 —
70 —
55 —
40 —
35 —
25 —
15 —
10 —



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SYP (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SYP.