

Anti-Synaptophysin/SYP Picoband® Antibody Fluoro488 Conjugated

Catalog Number: A05049-Fluoro488

About SYP

Synaptophysin, also known as the major synaptic vesicle protein p38, is a protein that in humans is encoded by the SYP gene. It is mapped to Xp11.23. 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.

Overview

Product Name	Anti-Synaptophysin/SYP Picoband® Antibody Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08247

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Synaptophysin/SYP, which shares 91.3% amino acid (aa) sequence identity with both mouse and rat Synaptophysin/SYP.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

8 Publications Citing This Product

1. PubMed ID: 10.1167/iops.09-4504, Generation of Retinal Ganglion-like Cells from Reprogrammed Mouse Fibroblasts
2. PubMed ID: 10.1016/j.neulet.2008.02.058, RETRACTED: Effect of ephedrine on neuronal plasticity of hypoxic-ischemic brain damage in neonatal rats
3. PubMed ID: 10.1016/j.tox.2017.04.001, The induction of cytochrome P450 2E1 by ethanol leads to the loss of synaptic proteins via PPARalpha down-regulation

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