

Anti-Synaptotagmin-1 Antibody

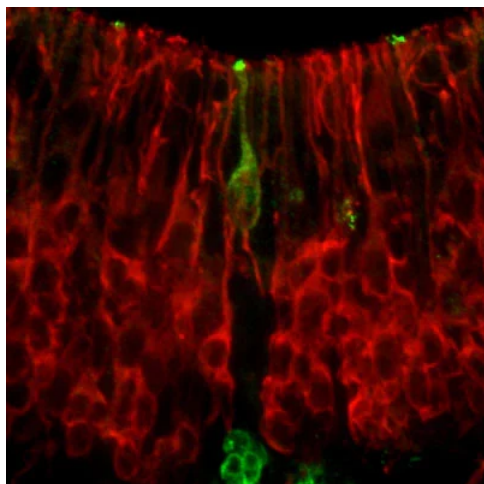


Product Details

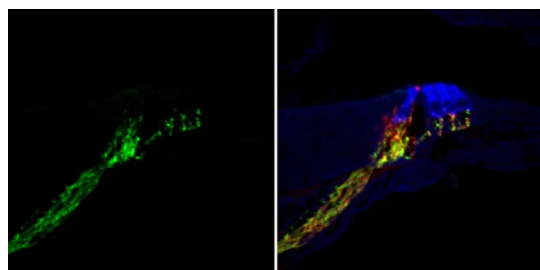
Available Variants	1000 µL (SKU:STG)
Isotype	IgY
Gene Name	SYT1 SVP65 SYT
Host Species	Chicken
Concentration	400 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with four synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the Synaptotagmin-1 gene product, but are shared between the human (NP_005630, NCBI) and mouse (NP_033332, NCBI) sequences. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 400 µg/mL. Finally, equal volumes of each of the three affinity-purified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	48 kDa
Quality Control	Each of the three antibodies were analyzed by immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313562
UniProt ID	P21579
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

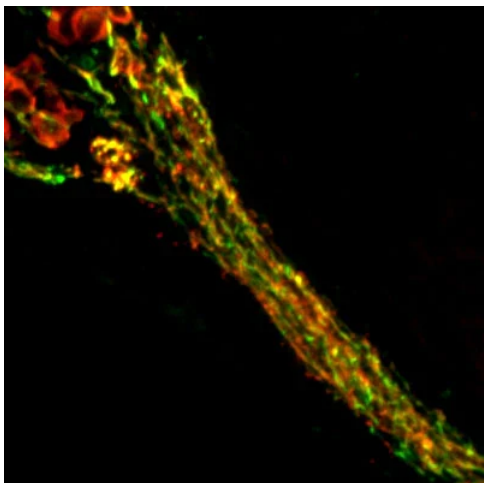
Product Images



Immunohistochemical staining of Synaptotagmin-1 (green, 1:1000 dilution) and Vimentin (red, Rockland, 1:500 dilution) in a cryostat section through the basal plate of an e16 mouse brain.



Immunohistochemical staining of Synaptotagmin (green, 1:1000 dilution) and NFH (red, Rockland, 1:500 dilution) and Vimentin (blue) in a cryostat section through the Cochlear nerve and Organ of Corti in an adult mouse.



Immunohistochemical staining of Synaptotagmin (green, 1:1000 dilution) and NFH (red, Rockland, 1:500 dilution) in a cryostat section through the Cochlear nerve in an adult mouse.

Product Page URL: www.antibodiesinc.com/products/anti-synaptotagmin-1-antibody-stg



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