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Datasheet for ABIN6990920  
**anti-Syntaphilin antibody (AA 350-400)**

## Overview

Quantity:	0.1 mg
Target:	Syntaphilin (SNPH)
Binding Specificity:	AA 350-400
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Syntaphilin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	Syntaphilin antibody was raised against a 16 amino acid synthetic peptide from near the center of human Syntaphilin. The immunogen is located within amino acids 350 - 400 of Syntaphilin.
Isotype:	IgG
Purification:	Syntaphilin Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	Syntaphilin (SNPH)
Alternative Name:	Syntaphilin ( <a href="#">SNPH Products</a> )
Background:	Syntaphilin Antibody: Syntaphilin was initially identified in a yeast two-hybrid screen with the carboxy terminal region of Syntaxin-1 as bait. Syntaxin-1 is a key component of the synaptic

## Target Details

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vesicle docking machinery that forms the SNARE complex with synaptobrevin and SNAP-25. Syntaphilin competes with SNAP-25 for binding to syntaxin-1 and inhibits the formation of the SNARE complex, thereby potentially regulating synaptic vesicle exocytosis. Syntaphilin also binds dynamin-1 and inhibits dynamin-dependent endocytosis. Mice lacking syntaphilin show an increased level of mitochondrial motility and a reduced density of axonal mitochondria. This correlates with an enhanced short-term facilitation and significant impairments in motor ability, suggesting syntaphilin plays a major role in presynaptic function. Multiple isoforms are known to exist.

Gene ID:	9751
UniProt:	<a href="#">O15079</a>
Pathways:	<a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

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**Application Notes:** Syntaphilin antibody can be used for detection of Syntaphilin by Western blot at 1 - 2 µg/mL. Despite its predicted molecular weight, Syntaphilin usually migrates at higher molecular weight in SDS-PAGE. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Syntaphilin Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	Syntaphilin antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

## Handling

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As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.