

Datasheet for ABIN7601724  
**anti-Syntaphilin antibody (AA 43-482)**



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## Overview

Quantity:	100 µg
Target:	Syntaphilin (SNPH)
Binding Specificity:	AA 43-482
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Syntaphilin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Purpose:	Anti-SNPH Antibody Picoband®
Immunogen:	E.coli-derived human SNPH recombinant protein (Position: Y43-Q482).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SNPH Antibody Picoband® (ABIN7601724). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	Syntaphilin (SNPH)
Alternative Name:	SNPH ( <a href="#">SNPH Products</a> )
Background:	<p>Synonyms: Pannexin-2, PANX2</p> <p>Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts.</p> <p>Background: Syntaphilin is a protein that in humans is encoded by the SNPH gene. Syntaxin-1, synaptobrevin/VAMP, and SNAP25 interact to form the SNARE complex, which is required for synaptic vesicle docking and fusion. The protein encoded by this gene is membrane-associated and inhibits SNARE complex formation by binding free syntaxin-1. Expression of this gene appears to be brain-specific. Alternative splicing results in multiple transcript variants encoding different isoforms.</p>
Molecular Weight:	70 kDa
Gene ID:	9751
UniProt:	<a href="#">O15079</a>
Pathways:	<a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Lao, G., Scheuss, V., Gerwin, C. M., Su, Q., Mochida, S., Rettig, J., Sheng, Z.-H. Syntaphilin: a syntaxin-1 clamp that controls SNARE assembly. Neuron 25: 191-201, 2000. 2. Nagase, T., Ishikawa, K., Nakajima, D., Ohira, M., Seki, N., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. VII. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro. DNA Res. 4: 141-150, 1997.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

## Handling

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Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.