

Datasheet for ABIN5689618

anti-Synaptophysin 2 antibody (AA 257-261)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Synaptophysin 2
Binding Specificity:	AA 257-261
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptophysin 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	synaptophysin 2 antibody was raised against a peptide sequence around aa.257~261 (G-P-T-S-F) derived from Rat synaptophysin 2.
Specificity:	This antibody detects endogenous levels of total synaptophysin 2 protein.
Purification:	Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	Synaptophysin 2
Abstract:	Synaptophysin 2 Products
Background:	Synaptophysin (SYP) is a neuronal synaptic vesicle glycoprotein that is expressed in neuroendocrine cells and neoplasms, and thus can be used as a marker in tumor diagnosis (1). Synaptophysin contains four transmembrane domains that form a hexameric channel or gap

Target Details

junction-like pore (2). Synaptophysin binds to the SNARE protein synaptobrevin/VAMP, which prevents the inclusion of synaptobrevin in the synaptic vesicle fusion complex and creates a pool of synaptobrevin for exocytosis when synapse activity increases (3). Synaptophysin is also responsible for targeting synaptobrevin 2/VAMP2 to synaptic vesicles, a critical component of the fusion complex (4).

Molecular Weight: 37 kDa

Gene ID: 66030

NCBI Accession: [NP_076464](#)

UniProt: [P22831](#)

Application Details

Application Notes: Western Blot: 1:500~1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Antibody supplied in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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

Storage Comment: Store antibody at -20°C for up to one year.