

Datasheet for ABIN1449191
anti-SYT2 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	SYT2
Binding Specificity:	AA 1-20, N-Term
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SYT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Synthesized peptide which corresponding to rat synaptotagmin 2 N-terminus (1-20 aa)
Sequence:	MRNIFKRNQE PIVAPATTTA
Clone:	8G2
Isotype:	IgG1
Specificity:	This antibody reacts with Synaptotagmin 2.
Cross-Reactivity (Details):	Species reactivity (tested):Rat

Target Details

Target:	SYT2
Alternative Name:	Synaptotagmin-2 (SYT2 Products)

Target Details

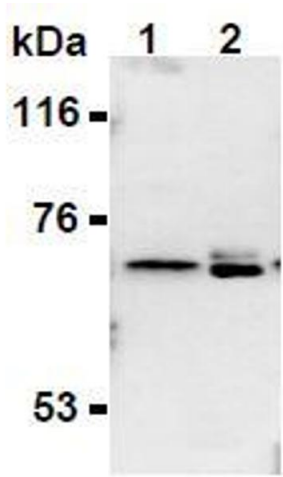
Background:	Synaptotagmins are a family of at least 15 Ca ²⁺ -binding, membrane-trafficking proteins that act as calcium sensors regulating neurotransmitter release. Synaptotagmins are expressed in both vesicular and plasma membranes where they are involved in lipid rearrangements required during synaptic vesicle fusion. Synaptotagmins also interact with calcium channels, sodium channels, β -SNAP, neurexins, and other neural proteins in the absence of Ca ²⁺ , suggesting a role in presynaptic functions. Synaptotagmins exhibit differential expression, with synaptotagmins 1-5 expressed primarily in neural and endocrine tissues. Northern blots in murine brain tissue suggest synaptotagmin 1 is primarily expressed in rostral brain regions but has low expression in regions related to motor functions. Synonyms: SYT-2, SYT2, SYTII, Synaptotagmin 2, Synaptotagmin II
Molecular Weight:	60 kDa
Gene ID:	127833
NCBI Accession:	NP_001129976
UniProt:	Q8N9I0
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

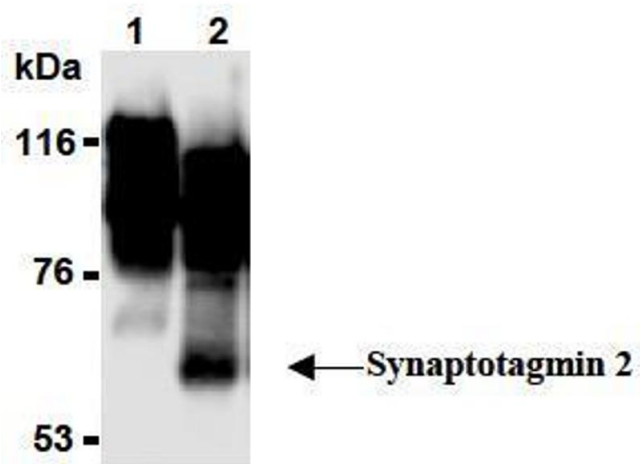
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 50 % glycerol, pH 7.2. No preservative is contained.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Upon receipt, store (in aliquots) at -20 °C.



Western Blotting

Image 1.



Western Blotting

Image 2.