

Datasheet for ABIN7240289

anti-SYT4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	SYT4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human SYT4
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	SYT4
Alternative Name:	SYT4 (SYT4 Products)
Background:	Synaptotagmins are a large gene family of synaptic vesicle type III integral membrane proteins that function as regulators of both exocytosis and endocytosis and are involved in neurotransmitter secretion from small secretory vesicles. Calcium binds to Synaptotagmin I which triggers neurotransmitter release at the synapse. Synaptotagmin II is phosphorylated by

Target Details

WNK1 in a process that regulates calcium-dependent interactions. Synaptotagmin III is involved in calcium-dependent exocytosis of secretory vesicles in endocrine cells and neurons.

Synaptotagmin IV is expressed in neuronal tissues, and has the highest mRNA levels in the hippocampus. The proximity of the Synaptotagmin IV gene to markers of several psychiatric disorders suggest an involvement of synaptotagmin IV in human disease. Synaptotagmin V is a dense-core vesicle-specific protein that regulates a specific type of calcium-regulated secretion. Synaptotagmin VI interacts with adaptor protein-2 in a calcium-independent manner.

Synaptotagmin VII is widely expressed in non-neuronal tissues.

Molecular Weight:	48 kDa
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UniProt:	Q9H2B2
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Pathways:	Synaptic Membrane , Synaptic Vesicle Exocytosis
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Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:25-1:100
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	0.2 mg/mL
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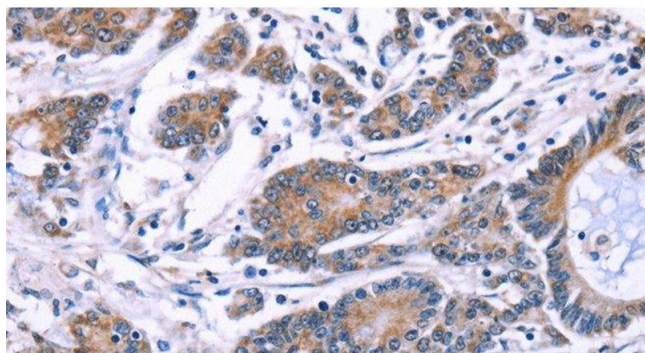
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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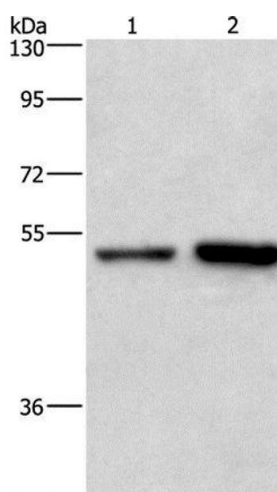
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human colon cancer using SYT4 Polyclonal Antibody at dilution of 1:60



Western Blotting

Image 2. Western Blot analysis of Hela and Jurkat cell using SYT4 Polyclonal Antibody at dilution of 1:700