

Rabbit anti-Human SYT4 Polyclonal Antibody | anti-SYT4 antibody

SYT4 Antibody

CATALOG # AAA306434	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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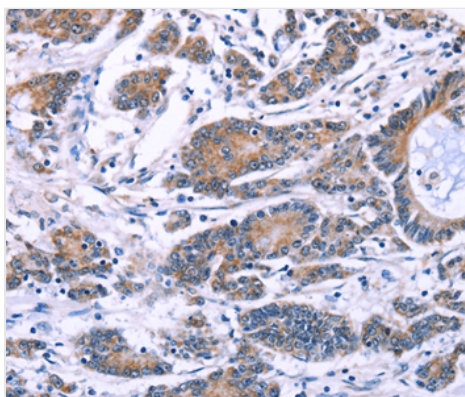
PRODUCT SYNONYMS

SYT4; Polyclonal Antibody; SYT4 Antibody; HsT1192; anti-SYT4 antibody

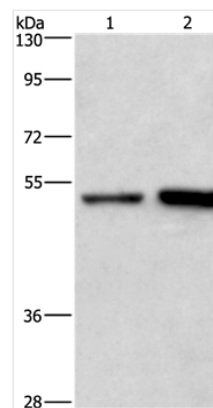
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total SYT4 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	2.8 mg/ml (varies by lot)
Sequence Length	425
Applicable Applications for anti-SYT4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human synaptotagmin IV
Target Name	SYT4
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using at dilution 1/60.


Application Data

Gel: 8%SDS-PAGE Lysates (from left to right): HeLa and Jurkat cell Amount of lysate: 40ug per lane Primary antibody: 1/700 dilution Secondary antibody dilution: 1/8000 Exposure time: 20 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-SYT4 antibody	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 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.
Product Categories/Family for anti-SYT4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	24308219
NCBI GeneID	6860
NCBI Accession #	NP_065834.1
NCBI GenBank Nucleotide #	NM_020783.3
UniProt Accession #	Q9H2B2; Q9P2K4; B4DEU3
Molecular Weight	46,064 Da
NCBI Official Full Name	synaptotagmin-4
NCBI Official Synonym Full Names	synaptotagmin IV
NCBI Official Symbol	SYT4
NCBI Official Synonym Symbols	HsT1192
NCBI Protein Information	synaptotagmin-4
UniProt Protein Name	Synaptotagmin-4
UniProt Gene Name	SYT4
UniProt Synonym Gene Names	KIAA1342; SytIV
UniProt Entry Name	SYT4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/syt4-antibody-immunohistochemistry-western-blot-elisa/306434>