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Datasheet for ABIN1391044

anti-SYT11 antibody (AA 51-100) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	SYT11
Binding Specificity:	AA 51-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT11 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Synaptotagmin XI
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SYT11
Alternative Name:	Synaptotagmin 11 (SYT11 Products)
Background:	Synonyms: Synaptotagmin 11, Synaptotagmin 12, Synaptotagmin XI, Synaptotagmin-11,

Target Details

synaptotagmin XII, synaptotagmin-XII, Synaptotagmin11, Synaptotagmin12, Synaptotagmin-11, Synaptotagmin-12, SynaptotagminXI, SYT 11, SYT 12, SYT-11, SYT-12, Syt XI, Syt11, SYT11_HUMAN, SYT12, SytXI, DKFZp781D015, KIAA0080, MGC10881, MGC17226.

Background: Synaptotagmins are a large 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. Synaptotagmin XI, also known as SYT11 (Synaptotagmin-11), is a 431 amino acid protein that localizes to the membrane and is expressed ubiquitously with highest expression in brain and lung. Like other Synaptotagmin proteins, Synaptotagmin XI is involved in the calcium-dependent exocytosis of secretory vesicles and is thought to act as a calcium sensor during vesicular trafficking. Synaptotagmin XI contains two C2 domains through which it can bind either three calcium ions or the zinc-finger protein Parkin (a juvenile Parkinson's disease gene product), the latter of which causes the polyubiquitination and subsequent degradation of Synaptotagmin XI by the proteasome complex. Defects in the gene encoding Synaptotagmin XI are implicated in a number of neurological disorders, including schizophrenia and Parkinson's disease.

Gene ID: 23208

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months