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Datasheet for ABIN1424808
anti-Neuroigin 2 antibody (PE-Cy5.5)

Overview

Quantity:	100 µL
Target:	Neuroigin 2 (NLGN2)
Reactivity:	Human, Rat, Mouse, Dog, Cow, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuroigin 2 antibody is conjugated to PE-Cy5.5
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NLGN2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Neuroigin 2 (NLGN2)
Alternative Name:	NLGN2 (NLGN2 Products)
Background:	Synonyms: NL1, NL2, Neuroigin 1, Neuroigin 2, Neuroigin I, Ortholog of human and rat neuroigin 2 NLGN2, NLGN2_HUMAN.

Target Details

Background: Neuroligins are a family of plasma membrane proteins that possess an N-terminal hydrophobic domain, a large esterase homology domain, a single transmembrane region, a short cytoplasmic domain, and an EF-hand binding domain (1,2). Members of the neuroligin family include Neuroligin 1, Neuroligin 2 and Neuroligin 3. Neuroligins are expressed in excitatory neuronal synaptic clefts. Neuroligins play a role in the formation and remodeling of CNS synapses by binding to b-neurexins, a family of neuronal cell surface proteins. Neuroxin 1b binds to the EF-hand domain of Neuroligin 1 and requires calcium ion. Neuroligins also bind to PSD-95, which may recruit ion channels and neurotransmitter receptors to the synapses.

Molecular Weight: 90kDa

Gene ID: 57555

Pathways: [Cell-Cell Junction Organization](#), [Synaptic Membrane](#)

Application Details

Application Notes: FCM(1:100-500)
Optimal working dilution should be determined by the investigator.

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: 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 at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.