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Datasheet for ABIN1416749 anti-GCOM1 antibody (AA 51-150) (Cy3)



Overview

Quantity:	100 µL
Target:	GCOM1
Binding Specificity:	AA 51-150
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCOM1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GCOM1
Isotype:	lgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	GCOM1

larget:	GCOM1
Alternative Name:	GCOM1 (GCOM1 Products)

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Target Details	
Background:	Synonyms: Gcom2, Glutamate receptor ionotropic N methyl D aspartate like 1A combined,
	GRINL1A, GRINL1A combined protein, GRINL1A combined protein Gcom12, GRINL1A upstream
	protein, Gup1, Gup2, NMDAR1 subunit interacting protein.
	Background: Glutamate receptors mediate most excitatory neurotransmission in the brain and
	play an important role in neural plasticity, neural development and neurodegeneration.
	lonotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA
	receptors, both of which contain glutamate-gated, cation-specific ion channels. Synaptic and
	extrasynaptic NMDA receptors have been shown to have opposite effects on neuronal survival,
	CREB function and gene regulation. Gcom1 (GRINL1A complex locus protein 1), also known as
	GUP (GRINL1A upstream protein) and Gcom (GRINL1A combined protein), is a 466 amino acid
	protein that is a component of the GRINL1A complex transcription unit, which is thought to be
	involved in the modulation of glutamatergic neurotransmission through interaction with the
	NR1 subunit of the NMDA receptor. Gcom1 is expressed in small intestine, lung, liver, heart,
	skeletal muscle, testis and prostate and also colocalizes with NR1 in cortical and hippocampal
	neurons. There are eleven isoforms of Gcom1 that are produced as a result of alternative
	splicing events.
Gene ID:	145781
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.

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