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Datasheet for ABIN1386827  
**anti-GCOM1 antibody (AA 51-150)**

## Overview

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

## Product Details

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

## Target Details

Target:	GCOM1
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## Target Details

Alternative Name:	GCOM1 ( <a href="#">GCOM1 Products</a> )
Background:	<p>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.</p> <p>Background: Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration.</p> <p>Ionotropic 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.</p>
Gene ID:	145781

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months