Data Sheet (Cat.No.TMAB-06396)

Anti-GCOM1/GRINL1A Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 62 kDa. Actual: 62 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Heart (Mouse) Lysate at 40 µg Uterus (Mouse) Lysate at 40 µg Primary: Anti-GCOM1'GRINL1A (TMAB-06396) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD Observed band size: 62 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GCOM1
Antigen Species:	Human
Gene ID:	81488
Uniprot ID:	P0CAP2

Research Background

Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481