Data Sheet (Cat.No.TMAB-09398)

Anti-Neuroligin 1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig)
Molecular Weight:	Theoretical: 87 kDa. Actual: 87 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Brain (Mouse) Lysate at 40 µg Primary: Anti-Neuroligin 1 (TMAB-09398) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 87 kD Observed band size: 87 kD 2. Blank control (blue): Mouse brain Cells (fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-Neuroligin 1 /PE Conjugated antibody (TMAB-09398 /PE), Dilution: 5µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/Pe (orange), used under the same conditions. 3. Blank control (blue line): U251 (fixed with 70% ethanol for 5 min at -20℃). Primary Antibody (green line): Rabbit Anti-Neuroligin 1 antibody (TMAB-09398), Dilution: 0.2 µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg /test. 4. Sample: Cerebrum (Mouse) Lysate at 40 µg Primary: Anti-Neuroligin 1 (TMAB-09398) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 87 kD Observed band size: 87 kD 5. Sample: Cerebrum (Rat) Lysate at 40 µg Primary: Anti-Neuroligin 1 (TMAB-09398) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 87 kD Observed band size: 87 kD
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

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 Neuroligin 1
Antigen Species:	Human
Gene ID:	22871
Uniprot ID:	Q8N2Q7

Research Background

Neuroligin 1 is a synaptic cell-adhesion molecule that is enriched in postsynaptic densities where it may recruit receptors, channels, and signal-transduction molecules to synaptic sites of cell adhesion. In addition, the neuroligin/beta-neurexin junction may be involved in the excitatory/inhibitory specification of CNS neuron synapses. A role for Neuroligin 1 is also suggested in autism.

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