NTNG2 Conjugated Antibody

Catalog No: #C46632

Package Size: #C46632-AF350 100ul #C46632-AF405 100ul #C46632-AF488 100ul #C46632-AF555 100ul #C46632-AF594 100ul #C46632-AF647 100ul #C46632-AF680 100ul #C46632-AF750 100ul #C46632-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	NTNG2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total NTNG2 protein.
Immunogen Description	Synthetic peptide corresponding to internal residues of human NTNG2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Lmnt2; NTNG1; LHLL9381; bA479K20.1
Accession No.	Swiss-Prot#:Q96CW9NCBI Gene ID:84628NCBI mRNA#:NCBI Protein#:NP_115925
Uniprot	Q96CW9
GeneID	84628;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	60
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Netrin G1 and Netrin G2, also referred to as laminet-1 and laminet-2, are membrane bound axon guidance molecules involved in synaptic formation and maintenance. They comprise a subgroup within the UNC-6/netrin family. Both genes have been associated with schizophrenia involving single nucleotide polymorphisms. They are both expressed in the brain but G1 is most predominantly expressed in the thalamus and G2 is most predominantly expressed in the cortex and hippocampus. These two proteins differ from classical netrins by their failure to bind netrin receptors, the presence of a glycosyl phosphatidylinositol membrane anchor, and the generation of multiple isoforms. Netrin G2 contains one laminin N-terminal domain and three laminin EGF-like domains. It selectively interacts with LRRC4 and this association may mediate cell adhesion. In addition, Netrin G2 is significantly downregulated in bladder transitional cell carcinoma (TCC) and may be a putative tumor suppressor gene.

Note: This product is for in vitro research use only