

NTNG2 Antibody

Catalog No: #46632

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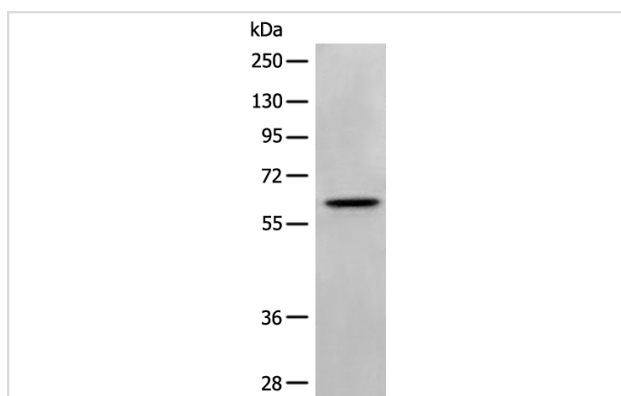
Description

Product Name	NTNG2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total NTNG2 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to internal residues of human NTNG2
Target Name	NTNG2
Other Names	Lmnt2; NTNG1; LHLL9381; bA479K20.1
Accession No.	Swiss-Prot:Q96CW9NCBI Gene ID:84628NCBI Protein:NP_115925
Uniprot	Q96CW9
GeneID	84628;
Calculated MW	60 kDa
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Images



Gel: 8%SDS-PAGE
 lysate: 40 µg, Lane: HEPG2 cell lysate,
 Primary antibody: 46632B (NTNG2 Antibody) at dilution
 1/300
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
 Exposure time: 1 minute

Background

Netrin G1 and Netrin G2, also referred to as laminin-1 and laminin-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