

## Product datasheet for **TA368031**

### Netrin G2 (NTNG2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: HEPG2 cell lysate
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human NTNG2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	60 kDa
Gene Name:	netrin G2
Database Link:	<a href="#">Entrez Gene 84628 Human Q96CW9</a>



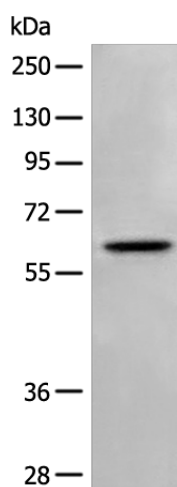
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**Background:**

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.

**Synonyms:**

bA479K20.1; KIAA0625; KIAA1857; Laminin-2; LHLL9381; Lmnt2; MGC21884; Netrin-G2; NTNG1

**Product images:**


Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane: HEPG2 cell lysate  
Primary antibody: TA368031 (NTNG2 Antibody) at dilution 1/300  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute