



## Rabbit Anti-Netrin G2 antibody

SL11103R

<b>Product Name:</b>	Netrin G2
<b>Chinese Name:</b>	轴突生长诱导因子G2/神经突起生长导向因子G2抗体
<b>Alias:</b>	Laminct 2; Laminct-2; Laminct2;Lmnt2; Lmnt 2; Lmnt-2; Netrin-G2; NetrinG2; NTNG1; NTNG 1; NTNG-1; NTNG2; NTNG 2; NTNG-2; NTNG2_HUMAN; bA479K20.1; LHLL9381.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Netrin G2:151-250/530
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Netrin proteins are a family of laminin-related secreted proteins that provide guidance signals for axonal growth and cell migration during development. Netrin-1, which is the mammalian homolog of UNC-6 from <i>C. elegans</i> , is largely expressed in the developing nervous system and in mesodermal tissues. Netrin-1 is expressed by the floor plate as either a cell associated protein or in a diffusible form, and it binds to several surface

receptor components, including deleted in colorectal cancer (DCC) and neogenin. During embryonic development, netrin-1 diffuses through the neuronal epithelium, where it forms a chemoattractant gradient that directs axonal migration to the ventral midline of the spinal cord. Netrin-2 and the corresponding mouse homolog netrin-3 are expressed primarily in the lower two-thirds of the spinal cord, and, like netrin-1, they can either attract or repel commissural axons at a distance. Netrin signaling is dependent on the concentration of calcium outside the cell and the level of PKA activity. In axonal cells, a reduction in PKA activity converts the responsiveness of the axons to the netrin proteins, as the cells are repelled, rather than attracted, by the netrin gradient.

**Function:**

Promotes neurite outgrowth of both axons and dendrites.

**Subunit:**

Interacts with LRRC4 (By similarity).

**Subcellular Location:**

Cell membrane.

**Post-translational modifications:**

N-glycosylated (By similarity).

**Similarity:**

Contains 3 laminin EGF-like domains.

Contains 1 laminin N-terminal domain.

**SWISS:**

Q96CW9

**Gene ID:**

84628

**Database links:**

[Entrez Gene: 84628](#)Human

[Entrez Gene: 171171](#)Mouse

[Entrez Gene: 311836](#)Rat

[SwissProt: Q96CW9](#)Human

[SwissProt: Q8R4F1](#)Mouse

[Unigene: 163642](#)Human

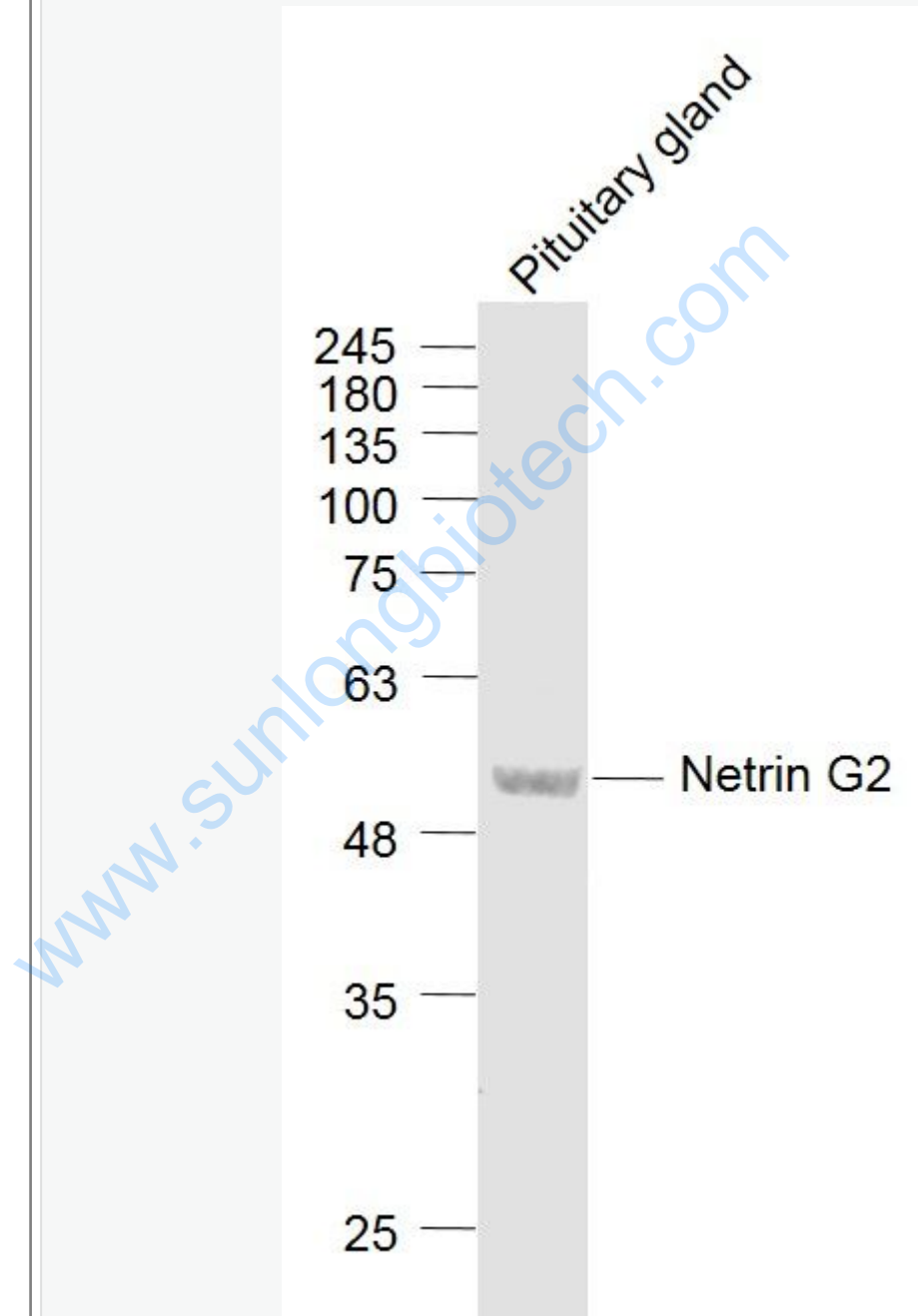
[Unigene: 442448](#)Mouse

[Unigene: 218540](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Pituitary gland (Mouse) Lysate at 40 ug

Primary: Anti- Netrin G2 (SL11103R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD

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