Datasheet for ABIN7237732

anti-Netrin 3 antibody (Secreted)

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Overview

Quantity:	25 µL
Target:	Netrin 3 (Ntn3)
Binding Specificity:	AA 445-458, Secreted
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Netrin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	A Rabbit Polyclonal antibody to Netrin-3
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: Peptide CRPARGSYRISLKK, corresponding to amino acid residues 445 - 458 of mouse Netrin-3
Isotype:	IgG
Specificity:	Secreted
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Rat - identical, Human - 13 out of 14 amino acid residues identical
Characteristics:	Secreted
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	Netrin 3 (Ntn3)
Alternative Name:	NTN3 (Ntn3 Products)
Background:	NTN3, Netrin-2-Like Protein, NTN2L,Netrins are a family of highly conserved proteins responsible for axon guidance and cell movement throughout neural development. Netrins can be divided into secreted netrins (netrin 1,3,4 and 5) and membrane-tethered glycophosphatidylinositol (GPI)-linked netrins (netrin G1 and G2)1.Secreted netrins carry their function via interaction with several receptors that include the deleted in colorectal (DCC) family, and the uncoordinated-5 (UNC5-A through UNC5-D) family2.Netrin-3 was discovered in 1997 using sequence homology searching of netrin-2. Similarly to other netrins, Netrin-3 plays an important role in the development of the nervous system. Netrin-3 structure consist of a laminin-like domain located on the N-terminal, three epidermal growth factors like repeats (EGF), and a C-terminal netrin-like domain (NTR). Mutations in NTN3, the gene encoding netrin-3 was found to be associated with the development of several carcinomas3. Alternative names: NTN3, Netrin-2-Like Protein, NTN2L
Gene ID:	18209
NCBI Accession:	NM_006181
UniProt:	Q9R1A3
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Antigen preadsorption control: 1 µg peptide per 1 µg antibody Application Dilutions Immunohistochemistry paraffin embedded sections ihc: 1:1000 Application Dilutions Western blot wb: 1:200-1:400
Comment:	Negative Control: (ABIN7236014) Blocking Peptide: (ABIN7236014)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	0.2 mL double distilled water (DDW).

Handling

Concentration:	1 mg/mL
Buffer:	PBS pH 7.4
Storage:	4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).