

## Netrin 1 Positive Control | NTN1 positive control

Netrin 1 Antibody Western Blot Positive Control

CATALOG #  
**AAA75974**

APPLICATIONS  
**Western Blot**

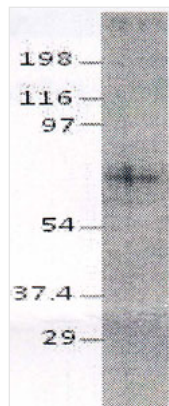
### PRODUCT SYNONYMS

Netrin 1; Netrin 1 Antibody Western Blot Positive Control; epididymis tissue protein Li 131P; mouse; homolog of; Netrin 1-like; Ntn 1; Unc6 antibody; NTN1 positive control

### PRODUCT SPECIFICATIONS

|                                                   |                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------|
| Form/Format                                       | Western Blot Positive Control; Prepared in SDS-sample buffer      |
| Concentration                                     | Empirically set for optimal signal-to-noise ratio (varies by lot) |
| Sequence Length                                   | 604                                                               |
| Applicable Applications for NTN1 positive control | WB (Western Blot)                                                 |
| Component                                         | Purified Protein                                                  |
| Preparation and Storage                           | Store at -20 degree C for long term storage                       |

### IMAGES



#### WB (Western Blot)

Western Blot of Netrin1 (AAA75974) antibody with PC-NTRN samples. Antibody Dilution 1:500 in DiluObuffer. Dilutions are for reference only. Applications not listed above are not necessarily precluded from working with this antibody. Investigators intending to use an application that has not been verified can request a complimentary sample.

## ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Related Product Information for NTN1 positive control</b> | <p>Western Blot Positive Control Netrin-1 precursor Antibody</p> <p>Netrins control guidance of CNS commissural axons and peripheral motor axons;serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis;Involved in tumorigenesis by regulating apoptosis.</p> <p>Netrin-1 (NTRN1) also known as axonal guidance protein (NTRN1) is a diffuse protein made by the floor plate cells that belongs to the Netrin family of proteins that guides axons to or away from the midline of the developing nervous system (1). In mammals, netrins are ligands for DCC receptor and the UNC5 receptor homologues. Netrin-1, located at human chromosome 17p13-p12, attracts spinal commissural axons and repels trochlear axons in vitro. In mice, deficiencies in Netrin-1 led to defects in spinal commissural axon projections (2). In the dorsal and intermediate spinal cord, it prevents DRG axons from being directed towards the dorsal spinal cord (3). Netrin-1 and its associated receptors play a key role cell death and tumor formation. Netrin-1/receptor pair induces apoptosis in cultured cells and also acts as regulators of tumor development (4). These properties of Netrin-1 have been implicated in colorectal tumorigenesis by regulating apoptosis (5). In the embryo, Netrin-1 is widely expressed in the developing nervous system and in mesodermal tissues. In adults, it is highly expressed in heart, small intestine, colon, liver and prostate. It is also expressed in brain tumors and neuroblastomas. Netrin-1 is approximately a 73kDa protein. The Netrin1-selective antibody (MBS540531) was generated against a peptide near C-terminal end of the Netrin1 protein using cyclic peptide methodology for generating antibodies, which results in higher titer and specificity (6). MBS540531 was used to develop FITC-conjugated NTRN1-selective antibodies (MBS540531). Western blot positive control samples and antigenic blocking peptide are available. The affinity purified mono-specific polyclonal antibody to NTRN1 strongly labels a 73kDa protein in western blot positive control (MBS543004) samples and in various tissues examined. Antibodies can be conjugated to secondary enzymes or fluorescent probes upon request as an additional charge.</p> |
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## NCBI AND UNIPROT INFORMATION

|                                  |                |
|----------------------------------|----------------|
| NCBI GI #                        | 148613884      |
| NCBI GeneID                      | 9423           |
| NCBI Accession #                 | NP_004813.2    |
| NCBI GenBank Nucleotide #        | NM_004822.2    |
| UniProt Accession #              | O95631; E9KL51 |
| NCBI Official Full Name          | netrin-1       |
| NCBI Official Synonym Full Names | netrin 1       |
| NCBI Official Symbol             | NTN1           |
| NCBI Official Synonym Symbols    | NTN1L          |
| NCBI Protein Information         | netrin-1       |
| UniProt Protein Name             | Netrin-1       |
| UniProt Gene Name                | <b>NTN1</b>    |
| UniProt Synonym Gene Names       | NTN1L          |
| UniProt Entry Name               | NET1_HUMAN     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.