

Rabbit Netrin 1 Polyclonal Antibody | anti-NTN1 antibody

Netrin 1 Antibody BIOTIN-Conjugated

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75918	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

Netrin 1; Polyclonal Antibody; Netrin 1 Antibody BIOTIN-Conjugated; epididymis tissue protein Li 131P; mouse; homolog of; Netrin 1-like; Ntn 1; Unc6 antibody; anti-NTN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	BIOTIN-Conjugated Immunoglobulins
Concentration	One hundred micrograms (100ug) of antibody in 200ul of antibody stabilization buffer. (varies by lot)
Sequence Length	604
Applicable Applications for anti-NTN1 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 250-300 on human Netrin-1 protein.
Expression	highest levels in heart, small intestine, colon, liver and prostate. Reduced expression in brain tumors and neuroblastomas. Expressed in epididymis (at protein level).
Subcellular Location	Extracellular matrix, Secreted
Preparation and Storage	-20° degree C for long term storage

ADDITIONAL INFORMATION

Related Product Information for anti-NTN1 antibody	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. 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. In the dorsal and intermediate spinal cord, it prevents DRG axons from being directed towards the dorsal spinal cord. Netrin-1 and its associated receptors play a key role in cell death and tumor formation. Netrin-1/receptor pair induces apoptosis in cultured cells and also acts as regulators of tumor development. These properties of Netrin-1 have been implicated in colorectal tumorigenesis by regulating apoptosis. 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. MBS540531 was used to develop FITC-conjugated NTRN1-selective antibodies (MBS542254). 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.
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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
Molecular Weight	67,748 Da
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	NTN1
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/netrin-1-antibody-western-blot-immunoprecipitation-elisa/75918>