

AP05263CP-N**Netrin 1 control peptide****Alternate names:**

NTN1, NTN1L

Quantity:

50 µg

Concentration:

Lot specific

Background:

Netrins control guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Involved in colorectal tumorigenesis by regulating apoptosis. Netrin 1's main receptor is DCC (deleted in colorectal cancer- a putative tumor suppressor gene whose expression is lost in numerous cancers). DCC belongs to the so-called family of dependence receptors. These receptors induce apoptosis when their ligand is absent, thus conferring a state of cellular dependence on Netrin 1 availability. The DCC/netrin-1 duo regulates neuron survival during nervous system development. The mechanism(s) by which Netrin 1/ DCC triggers cell death are still unknown. The localization of DCC to lipid rafts appears to be a prerequisite for its proapoptotic activity.

Uniprot ID:[O95631](#)**NCBI:**[NP_004813.2](#)**GeneID:**[9423](#)**Format:****State:** Liquid purified peptide**Buffer System:** Phosphate buffered saline containing 0.08% sodium azide**Applications:**

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Control peptide for antibody AP05263PU-N only.

Storage:

Store at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.