

NPTN Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12852a**Specification**

NPTN Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9Y639](#)**NPTN Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 27020**Other Names**

Neuroplastin, Stromal cell-derived receptor 1, SDR-1, NPTN, SDFR1, SDR1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NPTN Antibody (N-term) Blocking peptide - Protein Information**Name** NPTN**Synonyms** SDFR1, SDR1**Function**

Probable homophilic and heterophilic cell adhesion molecule involved in long term potentiation at hippocampal excitatory synapses through activation of p38MAPK. May also regulate neurite outgrowth by activating the FGFR1 signaling pathway. May play a role in synaptic plasticity (By similarity). Also acts as a chaperone for ATP2B1; stabilizes ATP2B1 and increases its ATPase activity (PubMed:30190470). Promotes localization of XKR8 at the cell membrane (PubMed:27503893).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P97546}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P97546}

Tissue Location

Isoform 1 is ubiquitously expressed. Isoform 2 is expressed in brain cortex and cerebellum (at protein level) {ECO:0000269|PubMed:17196182, ECO:0000269|Ref.1}

NPTN Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

NPTN Antibody (N-term) Blocking peptide - Images**NPTN Antibody (N-term) Blocking peptide - Background**

This gene encodes a type I transmembrane protein belonging to the Ig superfamily. The protein is believed to be involved in cell-cell interactions or cell-substrate interactions. Alternative splicing results in multiple transcript variants. [provided by RefSeq].

NPTN Antibody (N-term) Blocking peptide - References

Bernstein, H.G., et al. Brain Res. 1134(1):107-112(2007) Saito, A., et al. Neurosci. Lett. 411(3):168-173(2007) Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004) Langnaese, K., et al. J. Biol. Chem. 272(2):821-827(1997)