

C1orf187 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13829b**Specification**

C1orf187 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q8NBI3](#)**C1orf187 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 374946**Other Names**

Draxin {ECO:0000255|HAMAP-Rule:MF_03060}, Dorsal inhibitory axon guidance protein
{ECO:0000255|HAMAP-Rule:MF_03060}, Dorsal repulsive axon guidance protein
{ECO:0000255|HAMAP-Rule:MF_03060}, Neucrin, DRAXIN
{ECO:0000255|HAMAP-Rule:MF_03060}, C1orf187

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13829b was selected from the C-term region of C1orf187. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

C1orf187 Antibody (C-term) Blocking peptide - Protein Information**Name** DRAXIN {ECO:0000255|HAMAP-Rule:MF_03060}**Synonyms** C1orf187**Function**

Chemorepulsive axon guidance protein required for the development of spinal cord and forebrain commissures. Acts as a chemorepulsive guidance protein for commissural axons during development. Able to inhibit or repel neurite outgrowth from dorsal spinal cord. Inhibits the stabilization of cytosolic beta-catenin (CTNNB1) via its interaction with LRP6, thereby acting as an antagonist of Wnt signaling pathway.

Cellular Location

Secreted.

C1orf187 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C1orf187 Antibody (C-term) Blocking peptide - Images**C1orf187 Antibody (C-term) Blocking peptide - Background**

Chemorepulsive axon guidance protein required for the development of spinal cord and forebrain commissures. Acts as a chemorepulsive guidance protein for commissural axons during development. Able to inhibit or repel neurite outgrowth from dorsal spinal cord. Inhibits the stabilization of cytosolic beta-catenin (CTNNB1) via its interaction with LRP6, thereby acting as an antagonist of Wnt signaling pathway (By similarity).

C1orf187 Antibody (C-term) Blocking peptide - References

Miyake, A., et al. Biochem. Biophys. Res. Commun. 390(3):1051-1055(2009)Islam, S.M., et al. Science 323(5912):388-393(2009)Sullivan, P.F., et al. Mol. Psychiatry 13(6):570-584(2008)Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)