

**C4orf31 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5812a****Specification**

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**C4orf31 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [Q8TB73](#)  
Other Accession [NP\\_078850.3](#)

**C4orf31 Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 79625

**Other Names**

Protein NDNF, Neuron-derived neurotrophic factor, NDNF, C4orf31

**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.

**C4orf31 Antibody (N-term) Blocking peptide - Protein Information**

**Name** NDNF

**Synonyms** C4orf31

**Function**

Secretory protein that plays a role in various cellular processes (PubMed:<a href="http://www.uniprot.org/citations/20969804" target="\_blank">20969804</a>, PubMed:<a href="http://www.uniprot.org/citations/24706764" target="\_blank">24706764</a>, PubMed:<a href="http://www.uniprot.org/citations/31883645" target="\_blank">31883645</a>). Acts as a chemorepellent acting on gonadotropin-releasing hormone (GnRH) expressing neurons regulating their migration to the hypothalamus (PubMed:<a href="http://www.uniprot.org/citations/31883645" target="\_blank">31883645</a>). Also promotes neuron migration, growth and survival as well as neurite outgrowth and is involved in the development of the olfactory system (PubMed:<a href="http://www.uniprot.org/citations/20969804" target="\_blank">20969804</a>, PubMed:<a href="http://www.uniprot.org/citations/31883645" target="\_blank">31883645</a>). May also act through the regulation of growth factors activity and downstream signaling (PubMed:<a href="http://www.uniprot.org/citations/31883645" target="\_blank">31883645</a>). Also regulates extracellular matrix assembly and cell adhesiveness (By similarity). Promotes endothelial cell survival, vessel formation and plays an important role in the process of

revascularization through NOS3-dependent mechanisms (PubMed:<a href="http://www.uniprot.org/citations/24706764" target="\_blank">24706764</a>).

**Cellular Location**

Secreted

**Tissue Location**

Expressed in neurons along the gonadotropin- releasing hormone (GnRH) expressing neurons migratory route

**C4orf31 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**C4orf31 Antibody (N-term) Blocking peptide - Images****C4orf31 Antibody (N-term) Blocking peptide - Background**

Promotes matrix assembly and cell adhesiveness (By similarity).

**C4orf31 Antibody (N-term) Blocking peptide - References**

Uttie, G.E., et al. Genet. Couns. 17(2):205-209(2006)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)