

GFRA2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14374b**Specification**

GFRA2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O00451](#)**GFRA2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2675**Other Names**

GDNF family receptor alpha-2, GDNF receptor alpha-2, GDNFR-alpha-2, GFR-alpha-2, GDNF receptor beta, GDNFR-beta, Neurturin receptor alpha, NRTNR-alpha, NTNR-alpha, RET ligand 2, TGF-beta-related neurotrophic factor receptor 2, GFRA2, GDNFRB, RETL2, TRNR2

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.

GFRA2 Antibody (C-term) Blocking Peptide - Protein Information**Name** GFRA2**Synonyms** GDNFRB, RETL2, TRNR2**Function**

Receptor for neurturin. Mediates the NRTN-induced autophosphorylation and activation of the RET receptor. Also able to mediate GDNF signaling through the RET tyrosine kinase receptor.

Cellular Location

Cell membrane; Lipid-anchor, GPI- anchor

Tissue Location

Isoform 1 is found in both brain and placenta.

GFRA2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GFRA2 Antibody (C-term) Blocking Peptide - Images

GFRA2 Antibody (C-term) Blocking Peptide - Background

Glial cell line-derived neurotrophic factor (GDNF) andneurturin (NTN) are two structurally related, potent neurotrophicfactors that play key roles in the control of neuron survival anddifferentiation. The protein encoded by this gene is a member ofthe GDNF receptor family. It is aglycosylphosphatidylinositol(GPI)-linked cell surface receptor forboth GDNF and NTN, and mediates activation of the RET tyrosinekinase receptor. This encoded protein acts preferentially as areceptor for NTN compared to its other family member, GDNF familyreceptor alpha 1. This gene is a candidate gene for RET-associateddiseases. Multiple transcript variants encoding different isoformshave been found for this gene.

GFRA2 Antibody (C-term) Blocking Peptide - References

Souza, R.P., et al. J Psychiatr Res 44(11):700-706(2010)Souza, R.P., et al. Psychopharmacology (Berl.) 210(3):347-354(2010)Buysschaert, I.D., et al. Allergy 65(5):616-622(2010)Lavedan, C., et al. Mol. Psychiatry 14(8):804-819(2009)Volpi, S., et al. J Clin Psychiatry 70(6):801-809(2009)