

DRD2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16740b**Specification**

DRD2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P14416](#)

DRD2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1813

Other Names

D(2) dopamine receptor, Dopamine D2 receptor, DRD2

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.

DRD2 Antibody (C-term) Blocking Peptide - Protein Information

Name DRD2

Function

Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase (PubMed:21645528). Positively regulates postnatal regression of retinal hyaloid vessels via suppression of VEGFR2/KDR activity, downstream of OPN5 (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

Tissue Location

[Isoform 1]: Expressed in the anterior pituitary gland.

DRD2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DRD2 Antibody (C-term) Blocking Peptide - Images

DRD2 Antibody (C-term) Blocking Peptide - Background

This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing.

DRD2 Antibody (C-term) Blocking Peptide - References

Verma, V., et al. J. Biol. Chem. 285(45):35092-35103(2010) Borroto-Escuela, D.O., et al. Biochem. Biophys. Res. Commun. 401(4):605-610(2010) Stelzel, C., et al. J. Neurosci. 30(42):14205-14212(2010) Huang, H.Y., et al. J. Formos. Med. Assoc. 109(10):736-739(2010) Itokawa, M., et al. J. Pharmacol. Sci. 114(1):1-5(2010)