

GCHFR Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18973b**Specification**

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

Primary Accession [P30047](#)

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

Gene ID 2644

Other Names

GTP cyclohydrolase 1 feedback regulatory protein, GFRP, GTP cyclohydrolase I feedback regulatory protein, p35, GCHFR, GFRP

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.

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

Name GCHFR

Synonyms GFRP

Function

Mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase 1. This inhibition is reversed by L-phenylalanine.

Cellular Location

Nucleus. Nucleus membrane. Cytoplasm, cytosol

Tissue Location

In epidermis, expressed predominantly in basal undifferentiated keratinocytes and in some but not all melanocytes (at protein level).

GCHFR Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GCHFR Antibody (C-term) Blocking Peptide - Images

GCHFR Antibody (C-term) Blocking Peptide - Background

GTP cyclohydrolase I feedback regulatory protein binds to and mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase I. The regulatory protein, GCHFR, consists of a homodimer. It is postulated that GCHFR may play a role in regulating phenylalanine metabolism in the liver and in the production of biogenic amine neurotransmitters and nitric oxide.

GCHFR Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)McHugh, P.C., et al. Pharmacogenomics J. (2010) In press :Li, L., et al. Circ. Res. 106(2):328-336(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Schnetz-Boutaud, N.C., et al. Genes Brain Behav. 8(8):753-757(2009)