

GCHFR Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18973b

Specification

GCHFR Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P30047
Other Accession	Q32L41 , NP_005249.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	9698
Antigen Region	38-66

GCHFR Antibody (C-term) - Additional Information

Gene ID 2644

Other Names

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

Target/Specificity

This GCHFR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 38-66 amino acids from the C-terminal region of human GCHFR.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GCHFR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GCHFR Antibody (C-term) - 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

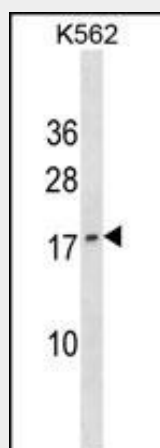
Tissue Location

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

GCHFR Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GCHFR Antibody (C-term) - Images

GCHFR Antibody (C-term) (Cat. #AP18973b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the GCHFR antibody detected the GCHFR protein (arrow).

GCHFR Antibody (C-term) - 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) - 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)