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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

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

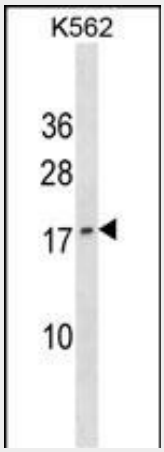
Tissue Location
In epidermis, expressed predominantly in basal undifferentiated keratinocytes and in some but not all melanocytes (at protein level).

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 Cytomety
- 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)