

GTP cyclohydrolase 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54184**Specification**

GTP cyclohydrolase 1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P30793
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27903

GTP cyclohydrolase 1 Polyclonal Antibody - Additional Information**Gene ID** 2643**Other Names**

GTP cyclohydrolase 1, 3.5.4.16, GTP cyclohydrolase I, GTP-CH-I, GCH1, DYT5, GCH

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

GTP cyclohydrolase 1 Polyclonal Antibody - Protein Information**Name** GCH1**Synonyms** DYT5, GCH**Function**

Positively regulates nitric oxide synthesis in umbilical vein endothelial cells (HUVECs). May be involved in dopamine synthesis. May modify pain sensitivity and persistence. Isoform GCH-1 is the functional enzyme, the potential function of the enzymatically inactive isoforms remains unknown.

Cellular Location

Cytoplasm. Nucleus

Tissue Location

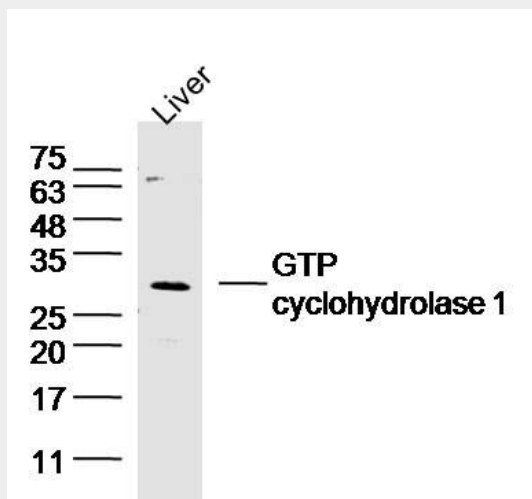
In epidermis, expressed predominantly in basal undifferentiated keratinocytes and in some but not all melanocytes (at protein level).

GTP cyclohydrolase 1 Polyclonal Antibody - 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](#)

GTP cyclohydrolase 1 Polyclonal Antibody - Images



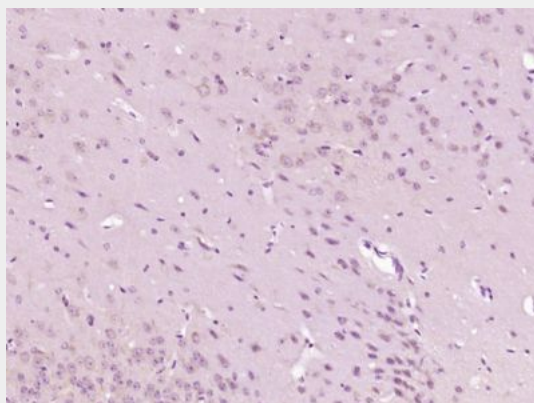
Sample: Liver (Mouse) Lysate at 40 ug

Primary: Anti-GTP cyclohydrolase 1 (bs-0136R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GTP cyclohydrolase 1) Polyclonal Antibody, Unconjugated (bs-0136R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.