

**GCH1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5839a****Specification**

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**GCH1 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [P30793](#)  
Other Accession [NP\\_000152.1](#), [NP\\_001019195.1](#),  
[NP\\_001019242.1](#), [NP\\_001019241.1](#)

**GCH1 Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 2643

**Other Names**

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

**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.

**GCH1 Antibody (N-term) Blocking peptide - 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).

**GCH1 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**GCH1 Antibody (N-term) Blocking peptide - Images**