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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GCH1 (Human) Matched Antibody Pair

Catalog # : H00002643-AP51

規格 : [1 Set]

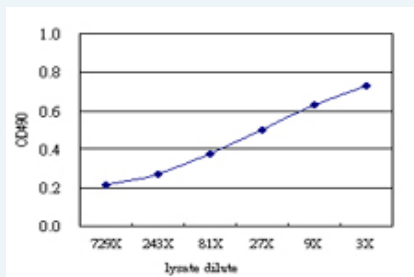
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Specification

Product Description: This antibody pair set comes with matched antibody pair to detect and quantify protein level of human GCH1.

Reactivity: Human

Quality Control Testing: Standard curve using GCH1 293T overexpression lysate (non-denatured) as an analyte.



Sandwich ELISA detection sensitivity ranging from approximately 243x to 3x dilution of the GCH1 293T overexpression lysate (non-denatured).

Supplied Product: Antibody pair set content:
 1. Capture antibody: mouse monoclonal anti-GCH1 (100 ug)
 2. Detection antibody: rabbit purified polyclonal anti-GCH1 (50 ug)
 *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

MSDS:  [Download](#)

Applications

ELISA Pair (Transfected lysate)

 [Protocol Download](#)

Gene Information

Entrez GeneID: [2643](#)

Gene Name: GCH1

Gene Alias: DYT14,DYT5,GCH,GTP-CH-1,GTPCH1

Gene Description: GTP cyclohydrolase 1

Omim ID: [128230](#), [233910](#), [600225](#)

Gene Ontology: [Hyperlink](#)

Application Image

ELISA Pair (Transfected lysate)

Gene Summary: This gene encodes a member of the GTP cyclohydrolase family. The encoded protein is the first and rate-limiting enzyme in tetrahydrobiopterin (BH4) biosynthesis, catalyzing the conversion of GTP into 7,8-dihydroneopterin triphosphate. BH4 is an essential cofactor required by aromatic amino acid hydroxylases as well as nitric oxide synthases. Mutations in this gene are associated with malignant hyperphenylalaninemia and dopa-responsive dystonia. Several alternatively spliced transcript variants encoding different isoforms have been described; however, not all variants give rise to a functional enzyme. [provided by RefSeq]

Other Designations: guanosine 5'-triphosphate cyclohydrolase I

Gene Pathway

[Folate biosynthesis](#) [Metabolic pathways](#)

Related Disease

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