



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## GCH1 (Human) IP-WB Antibody Pair

Catalog # : H00002643-PW1

規格 : [ 1 Set ]

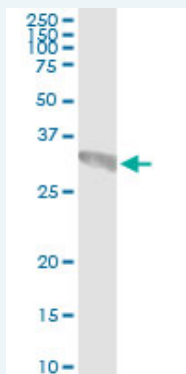
List All

### Specification

**Product Description:** This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.

**Reactivity:** Human

**Quality Control Testing:** Immunoprecipitation-Western Blot (IP-WB)



Immunoprecipitation of GCH1 transfected lysate using mouse monoclonal anti-GCH1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-GCH1.

**Supplied Product:** Antibody pair set content:  
1. Antibody pair for IP: mouse monoclonal anti-GCH1 (300 ug)  
2. Antibody pair for WB: rabbit polyclonal anti-GCH1 (50 ul)

**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

Immunoprecipitation-Western Blot

 [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

Immunoprecipitation-Western Blot

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**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]

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**Other**                    guanosine 5'-triphosphate cyclohydrolase I

**Designations:**

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### Gene Pathway

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

### Related Disease

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[Acute Disease](#) [Autistic Disorder](#) [Cardiovascular Diseases](#) [Cerebrovascular Disorders](#)  
[Chromosome Aberrations](#) [Chromosome Deletion](#) [Chronic Disease](#)  
[Coronary Artery Disease](#) [Coronary Disease](#) [Diabetes Mellitus, Type 2](#)  
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