

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08354 - Goat Anti-GCH1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GCH1, GTP cyclohydrolase 1 (dopa-responsive dystonia), DYT5, GCH, GTP-CH-1, GTPCH1, GTP cyclohydrolase 1, guanosine 5'-triphosphate cyclohydrolase I

**Official Symbol:** GCH1

**Accession Number(s):** NP\_000152.1 ; NP\_001019195.1 ; NP\_001019241.1 ; NP\_001019242.1

**Human GeneID(s):** [2643](#)

**Non-Human GeneID(s):** 14528 (mouse), 29244 (rat)

**Important Comments:** This antibody is expected to recognize all four isoforms (NP\_000152.1 ; NP\_001019195.1 ; NP\_001019241.1 ; NP\_001019242.1)

### Immunogen

Peptide with sequence C-GKVHIGYLPNKQ, from the internal region of the protein sequence according to NP\_000152.1 ; NP\_001019195.1 ; NP\_001019241.1 ; NP\_001019242.1 .

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

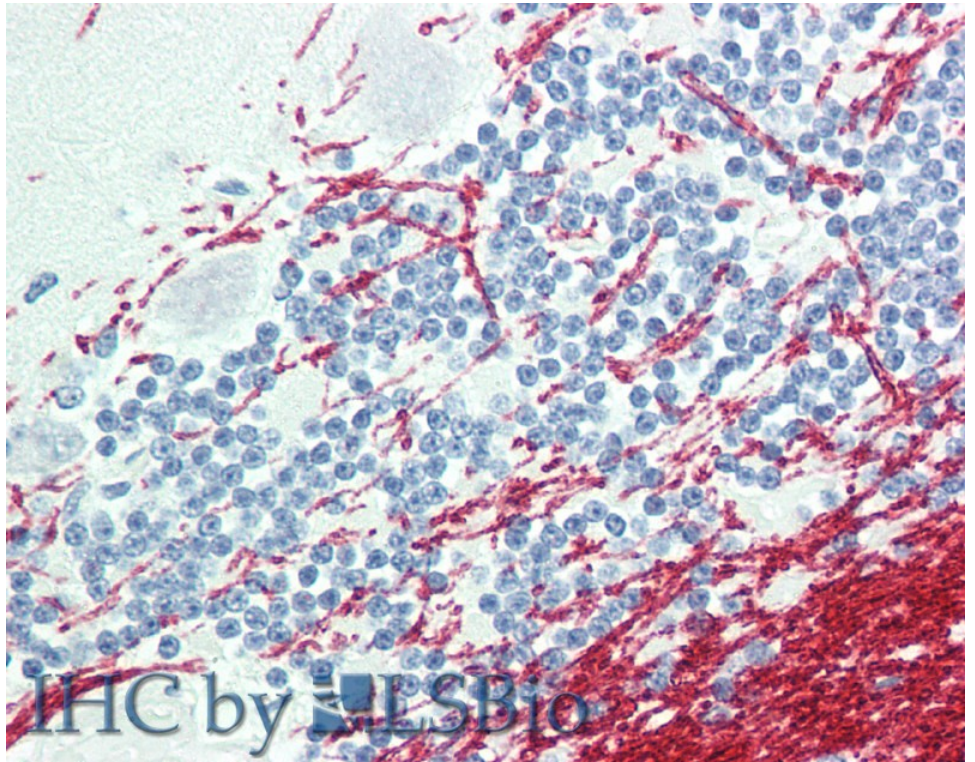
**Peptide ELISA:** antibody detection limit dilution 1:16000.

**IHC:** Paraffin embedded Human Brain (Cerebellum) and Small Intestine. Recommended concentration: 5µg/ml.

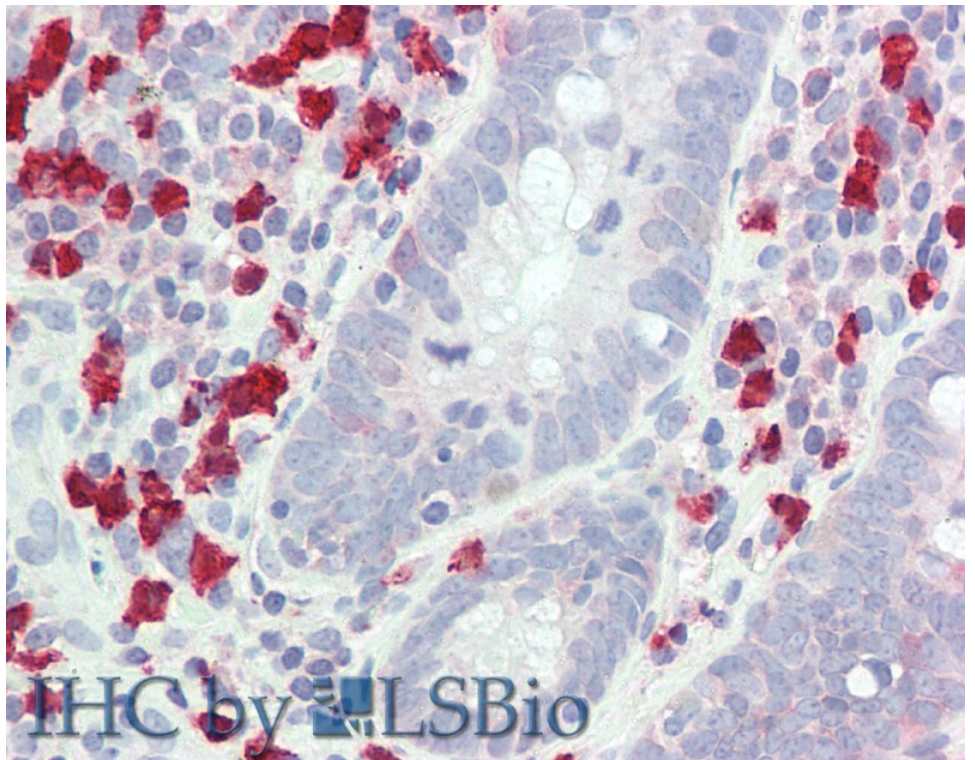
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat



EB08354 (5µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08354 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.