EB08354 - Goat Anti-GCH1 Antibody

Size: 100µg specific antibody in 200µl

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Target Protein

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

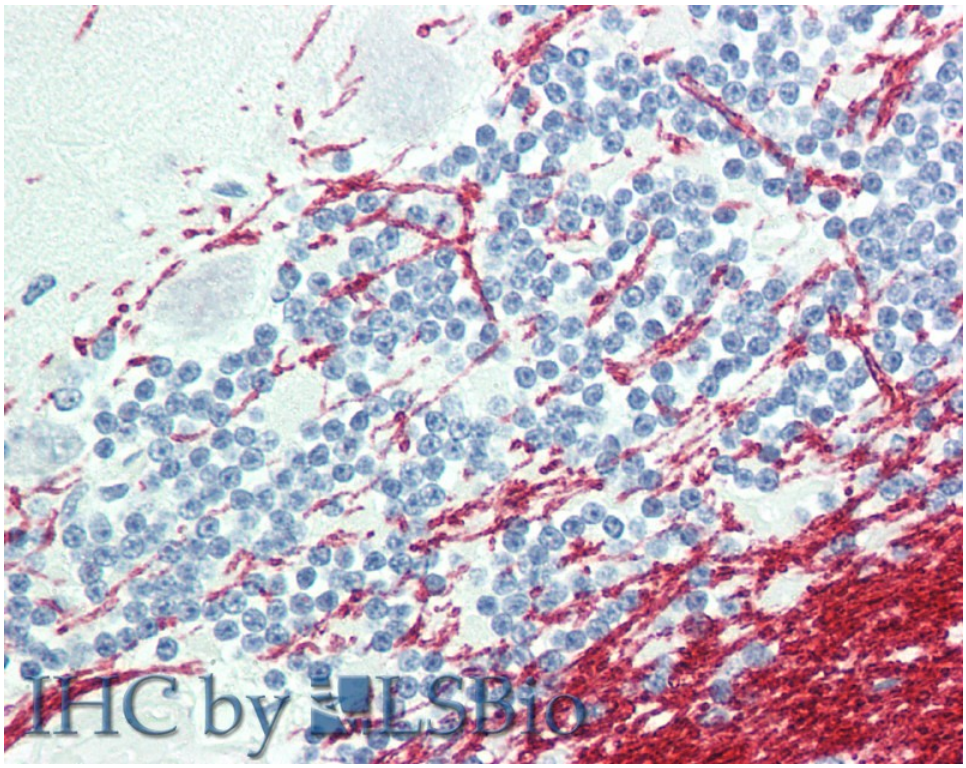
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

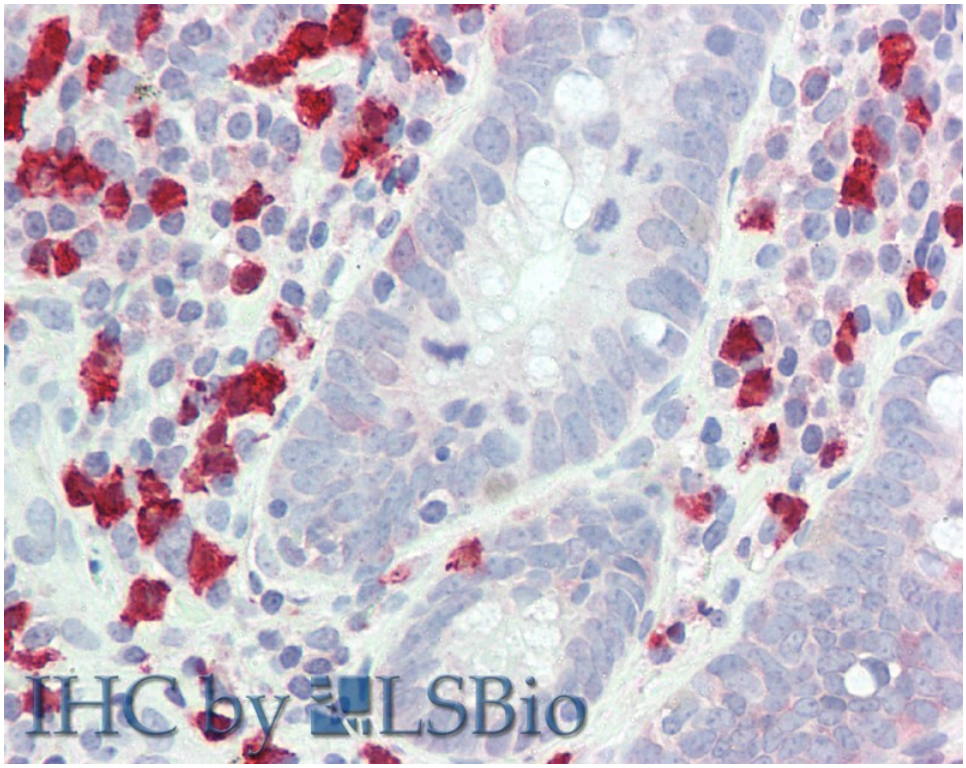
Peptide ELISA: antibody detection limit dilution 1:16000.
IHC: Paraffin embedded Human Brain (Cerebellum) and Small Intestine. Recommended concentration: 5µg/ml.

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.