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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.