

Goat GCH1 Polyclonal Antibody | anti-GCH1 antibody

Goat anti-GCH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61366	Goat	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat	Western Blot, ELISA

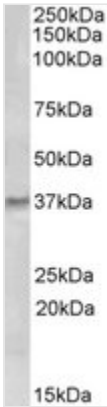
PRODUCT SYNONYMS

GCH1; Polyclonal Antibody; Goat anti-GCH1 Antibody; GTP cyclohydrolase 1 (dopa-responsive dystonia); DYT5; GCH; GTP-CH-1; GTPCH1; GTP cyclohydrolase 1; guanosine 5'-triphosphate cyclohydrolase I; GCH1 antibody; GTP cyclohydrolase 1 (dopa-responsive dystonia) antibody; DYT5 antibody; GCH antibody; GTP-CH-1 antibody; GTPCH1 antibody; GTP cyclohydrolase 1 antibody; guanosine 5'-triphosphate cyclohydrolase I antibody; anti-GCH1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	GKVHIGYLPN KQ
Sequence Length	250
Applicable Applications for anti-GCH1 antibody	WB (Western Blot), ELISA (Peptide ELISA)
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.
Epitope	Internal region
Note	This antibody is expected to recognize all four isoforms (NP_000152.1 ; NP_001019195.1 ; NP_001019241.1 ; NP_001019242.1)
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)
0.5ug/ml) staining of Human Tonsil lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503949
NCBI GeneID	2643
NCBI Accession #	NP_000152.1; NP_001019195.1; NP_001019241.1; NP_001019242.1
NCBI GenBank Nucleotide #	NM_000161.2
Molecular Weight	25,775 Da
NCBI Official Full Name	GTP cyclohydrolase 1 isoform 1
NCBI Official Synonym Full Names	GTP cyclohydrolase 1
NCBI Official Symbol	GCH1
NCBI Official Synonym Symbols	GCH; DYT5; DYT14; DYT5a; GTPCH1; HPABH4B; GTP-CH-1
NCBI Protein Information	GTP cyclohydrolase 1
UniProt Protein Name	GTP cyclohydrolase 1
UniProt Gene Name	GCH1
UniProt Synonym Gene Names	DYT5; GCH; GTP-CH-I
UniProt Entry Name	GCH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.