

## Goat anti-GCH1 Antibody

<b>Item Number</b>	dAP-1507
<b>Target Molecule</b>	Principle Name: GCH1; Official Symbol: GCH1 ; All Names and Symbols: GCH1 ; GTP cyclohydrolase 1 (dopa-responsive dystonia) ; DYT5; GCH; GTP-CH-1; GTPCH1; GTP cyclohydrolase 1; guanosine 5'-triphosphate cyclohydrolase I; Accession Number (s): NP_000152.1 ; NP_001019195.1 ; NP_001019241.1 ; NP_001019242.1 ; Human Gene ID(s): 2643; Non-Human GeneID(s): 14528 (mouse) 29244 (rat)
<b>Immunogen</b>	GKVHIGYLPNKQ, is from internal region This antibody is expected to recognize all four isoforms (NP_000152.1 ; NP_001019195.1 ; NP_001019241.1 ; NP_001019242.1)
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx. 37kDa band observed in Human Tonsil lysates. Customer's experiments gave identical results in lysates of cell line HUVEC with antibodies raised against different parts of the same protein. (calculated MW of 27.9kDa according to NP_0
<b>IHC</b>	
<b>Reference</b>	Reference(s): Tegeder I, Costigan M, Griffin RS, Abele A, Belfer I, Schmidt H, Ehnert C, Nejjim J, Marian C, Scholz J, Wu T, Allchorne A, Diatchenko L, Binshtok AM, Goldman D, Adolph J, Sama S, Atlas SJ, Carlezon WA, Parsegian A, Lotsch J, Fillingim RB, Maixner W, Geiss GTP cyclohydrolase and tetrahydrobiopter-

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**