

Rabbit GCH1 Polyclonal Antibody | anti-GCH1 antibody

GCH1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169149	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

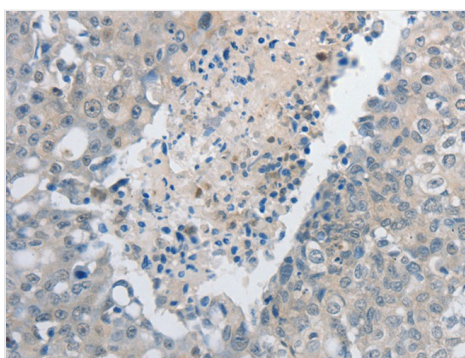
PRODUCT SYNONYMS

GCH1; Polyclonal Antibody; GCH1 Polyclonal Antibody; GCH; DYT5; DYT14; DYT5a; GTPCH1; HPABH4B; GTP-CH-1; anti-GCH1 antibody

PRODUCT SPECIFICATIONS

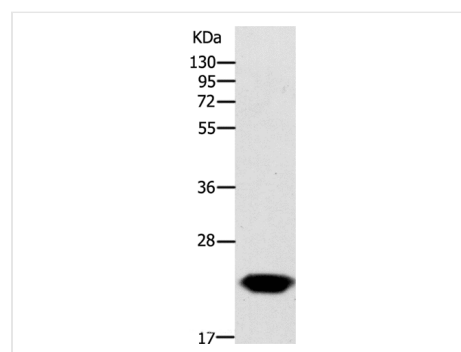
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	0.6mg/mL (varies by lot)
Sequence Length	213
Applicable Applications for anti-GCH1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Synthetic peptide of human GCH1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using GCH1 Polyclonal Antibody at dilution of 1:15



WB (Western Blot)

Western Blot analysis of Human fetal liver tissue using GCH1 Polyclonal Antibody at dilution of 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-GCH1 antibody	This gene encodes a member of the GTP cyclohydrolase family. The encoded protein is the first and rate-limiting enzyme in tetrahydrobiopterin (BH4) biosynthesis, catalyzing the conversion of GTP into 7, 8-dihydroneopterin triphosphate. BH4 is an essential cofactor required by aromatic amino acid hydroxylases as well as nitric oxide synthases. Mutations in this gene are associated with malignant hyperphenylalaninemia and dopa-responsive dystonia. Several alternatively spliced transcript variants encoding different isoforms have been described; however, not all variants give rise to a functional enzyme.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66932972
NCBI GeneID	2643
NCBI Accession #	NP_001019242.1
NCBI GenBank Nucleotide #	NM_001024071.1
Molecular Weight	25,775 Da
NCBI Official Full Name	GTP cyclohydrolase 1 isoform 3
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; GTP cyclohydrolase I; GTP-CH-I; dystonia 14; guanosine 5'-triphosphate cyclohydrolase I
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gch1-antibody-immunohistochemistry-western-blot-elisa/169149>