

GCH1 Rabbit Polyclonal Antibody

Catalog No: #29690



Package Size: #29690-1 50ul #29690-2 100ul

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Description

Product Name	GCH1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human GCH1 (NP_000152.1).
Other Names	GCH1;DYT14;DYT5;DYT5a;GCH;GTP-CH-1;GTPCH1;HPABH4B
Accession No.	Swiss Prot:P30793GeneID:2643
Calculated MW	23kDa/25kDa/27kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

IF 1:50 - 1:200

Background

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.

Note: This product is for in vitro research use only