

KD-Validated Anti-GTP Cyclohydrolase 1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2065

Product Information

Application	WB
Primary Accession	P30793
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB13125
Calculated MW	27903
Gene Name	GCH1
Aliases	GCH1; GTP Cyclohydrolase 1; GTP Cyclohydrolase I; GTPCH1; DYT5a; DYT5; GCH; Dystonia 14; EC 3.5.4.16; GTP-CH-I; DYT14; Guanosine 5'-Triphosphate Cyclohydrolase I; Dopa-Responsive Dystonia; GTP-CH-1; HPABH4B
Immunogen	Recombinant protein of human GCH1

Additional Information

Gene ID	2643
Other Names	GTP cyclohydrolase 1, 3.5.4.16, GTP cyclohydrolase I, GTP-CH-I, GCH1, DYT5, GCH

Protein Information

Name	GCH1
Synonyms	DYT5, GCH
Function	Positively regulates nitric oxide synthesis in umbilical vein endothelial cells (HUVECs). May be involved in dopamine synthesis. May modify pain sensitivity and persistence. Isoform GCH-1 is the functional enzyme, the potential function of the enzymatically inactive isoforms remains unknown.
Cellular Location	Cytoplasm. Nucleus
Tissue Location	In epidermis, expressed predominantly in basal undifferentiated keratinocytes and in some but not all melanocytes (at protein level).

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