

Datasheet for ABIN929286 **anti-GCH1 antibody (C-Term)**



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	GCH1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCH1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	GCH1 antibody was raised in rabbit using the C terminal of GCH1 as the immunogen
Purification:	Purified

Target Details

Target:	GCH1
Alternative Name:	GCH1 (GCH1 Products)
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

Target Details

alternatively spliced transcript variants encoding different isoforms have been described, however, not all variants give rise to a functional enzyme. Synonyms: Polyclonal GCH1 antibody, Anti-GCH1 antibody, GTP cyclohydrolase 1 antibody, DYT14 antibody, DYT5 antibody, DYT5a antibody, GCH antibody, GTP-CH-1 antibody, GTPCH1 antibody, HPABH4B antibody.

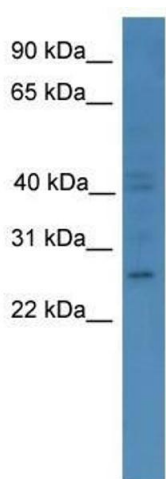
Application Details

Application Notes:	WB: 0.2-1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	GCH1 Blocking Peptide, catalog no. 33R-5373, is also available for use as a blocking control in assays to test for specificity of this GCH1 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.

Images



Western Blotting

Image 1. GCH1 antibody used at 0.2-1 µg/ml to detect target protein.