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Datasheet for ABIN1711327
anti-GCSH antibody (AA 101-173) (HRP)

Overview

Quantity:	100 µL
Target:	GCSH
Binding Specificity:	AA 101-173
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCSH antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GCSH
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GCSH
Alternative Name:	GCSH (GCSH Products)
Background:	Synonyms: GCE, GCSH, GCSH_HUMAN, Glycine cleavage system H protein, Glycine cleavage

Target Details

system H protein mitochondrial, Glycine cleavage system protein H aminomethyl carrier, Glycine cleavage system protein H, Lipoic acid containing protein, mitochondrial, Mitochondrial glycine cleavage system H protein, NKH.

Background: GCSH is a 173 amino acid mitochondrial protein that contains one lipoyl-binding domain and belongs to the gcvH family. Defects in the gene encoding GCSH are the cause of glycine encephalopathy (GCE), an autosomal recessive disease that is also referred to as non-ketotic hyperglycinemia (NKH). Characterized by severe neurological symptoms, patients with GCE have a large amount of glycine accumulated in their body fluids. The gene encoding GCSH maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3 % of the human genome.

Gene ID: 2653

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months