

DNAxPAb

Hard-to-Find
Antibody

GCSH DNAxPab

Catalog # H00002653-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GCSH DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MALRVVRSVRALLCTLRVPLPAAPCPPRPWQLGVGAVRTLRTGPALLSVRKFTKHEWVTEN GIGTVGISNFAQEALGDVVYCSLPEVGTKLNKQDEFGALESVKAASELYSPLSGEVTEINEALAEN PGLV NKSCYEDGWL IKMTLSNPSELDELMSEEAYEKYKSIEE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — GCSH

Entrez GeneID [2653](#)**GeneBank Accession#** [BC000790](#)**Protein Accession#** [AAH00790.1](#)**Gene Name** GCSH**Gene Alias** GCE, NKH**Gene Description** glycine cleavage system protein H (aminomethyl carrier)**Omim ID** [238330 605899](#)**Gene Ontology** [Hyperlink](#)

Gene Summary The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme; MIM 238310), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899), also called nonketotic hyperglycemia (NKH), may be due to a defect in any one of these enzymes.[supplied by OMIM]

Other Designations lipoic acid-containing protein|mitochondrial glycine cleavage system H-protein|part of mitochondrial matrix glycine cleavage enzyme complex of 4 proteins: H-, L-, P-, and T-proteins

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperglycinemia](#)
- [Kidney Failure](#)