

DNAxPAb

Hard-to-Find
Antibody

GARS DNAxPab

Catalog # H00002617-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human GARS DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MDGAGAEVLAFLRLAVRQQGDLVRKLKEDKAPQVDVDKAVAELKARKRVLEAKELALQPKDD
MDRAKMEDTLKRRFFYDQAFAYGGVSGLYDFGPVGCALKNNIIQWTRQHFHQEEQILEIDCTMLTP
EPVLKTSQGHVDKFAFMVKDVKNCEFRADHLLKAHLQKLMSDKKCSVEKKSEMESVLAQLDN
YQQELADLFVNYNVKSPITGNDLSPVSNLMFKTFIGPGGNMPGYLRPETAQQGIFLNFKRLLEF
NQGKLPFAAAQIGNSFRNEISPRSGLRVREFTMAEIEHFVDPSEKDHQKFNQVADLHLVLYSAKA
QVSGQSARKMRLGDAVEQGVINNTVLGYFIGRMLYLTQVKGISPDKLRFRQHMENEMAHYACDCW
DAESKTSYGWIEIVGCADRSCYDLSCHARATKVPLVAEKPLKEPKTVNVVQFEPKGAIGKAYKK
DAKLVMELYAICDECYITEMEMLLNEKGFTIETEGKTFQLTKDMINVKRFQKTLVVEEVVNVIEPS
FGLGRIMYTFEHTFHVREGDEQRTFFSFPVAVPFCVSLPLSQNQEFMPFVKELSEALTRHGV
SHKVDSSSGSIGRRYARTDEIGVAFGVTDIFDVTNKTPTHTATLRDRDSMRQIRAEISELPSIVQDLA
NGNITWADVEARYPLFEGQETGKKETIEE

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 — GARS

Entrez GeneID [2617](#)

GeneBank Accession# [ENST00000389266](#)

Protein Accession# [ENSP00000373918](#)

Gene Name GARS

Gene Alias CMT2D, DSMAV, GlyRS, HMN5, SMAD1

Gene Description glycyl-tRNA synthetase

Omim ID [600287](#) [600794](#) [601472](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge t RNAs with their cognate amino acids. The encoded enzyme is an (alpha)₂ dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. [provided by RefSeq]

Other Designations Charcot-Marie-Tooth neuropathy 2D|Charcot-Marie-Tooth neuropathy, neuronal type, D|glycine tRNA ligase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Charcot-Marie-Tooth Disease](#)
- [Kidney Failure](#)