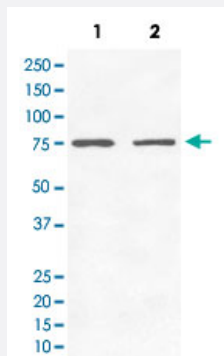


GARS monoclonal antibody, clone FEA-7

Catalog # MAB20073 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Jurkat and Lane 2: 293T cell lysates with GARS monoclonal antibody, clone FEA-7 (Cat # MAB20073).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human GARS.
Immunogen	A synthetic peptide corresponding to human GARS.
Host	Rabbit
Theoretical MW (kDa)	83.166
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Jurkat and Lane 2: 293T cell lysates with GARS monoclonal antibody, clone FEA-7 (Cat # MAB20073).

- Immunohistochemistry

Gene Info — GARS

Entrez GeneID[2617](#)**Protein Accession#**[P41250](#)**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 tRNAs 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](#)