

Datasheet for ABIN7267483  
**anti-GARS antibody**



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1 Image

## Overview

Quantity:	100 µL
Target:	GARS
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This GARS antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	GARS Rabbit mAb
Immunogen:	A synthesized peptide derived from human GARS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	GARS
Alternative Name:	GARS ( <a href="#">GARS Products</a> )
Background:	This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge

## Target Details

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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015],CMT2D, DSMAV, GlyRS, HMN5, SMAD1,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Mitochondrial metabolism,GARS

Molecular Weight: 75kDa

Gene ID: 2617

UniProt: [P41250](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

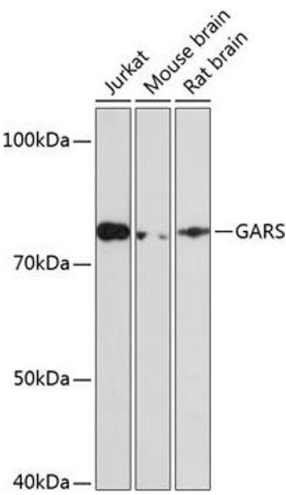
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using GARS Rabbit mAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.