

Rabbit anti-Human, Mouse GARS Polyclonal Antibody | anti-GARS antibody

Rabbit anti-GARS Antibody, Affinity Purified

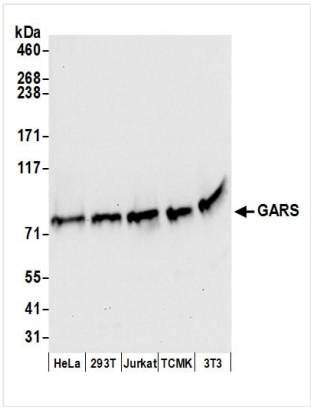
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212905	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

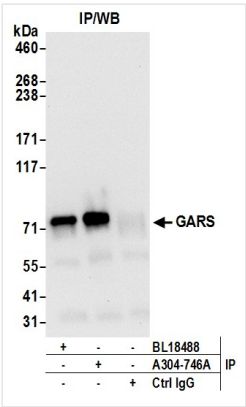
GARS; Polyclonal Antibody; Rabbit anti-GARS Antibody; Affinity Purified; GlyRS; HMN5; Glycyl-tRNA synthetase; glycine--tRNA ligase; DSMAV; CMT2D; Charcot-Marie-Tooth neuropathy; neuronal type; D; Charcot-Marie-Tooth neuropathy 2D; diadenosine tetraphosphate synthetase; AP-4-A synthetase; SMAD1; Glycine--tRNA ligase; glycyl-tRNA synthetase; anti-GARS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-GARS antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Orangutan
Immunogen	Between 689 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)
Detection of human and mouse GARS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-GARS antibody AAA212905 (lot AAA212905-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)
Detection of human GARS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-GARS antibody AAA212905 (lot AAA212905-1) used for IP at 6 ug per reaction. GARS was also immunoprecipitated by rabbit anti-GARS antibody BL18488. For blotting immunoprecipitated GARS, AAA212905 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-GARS antibody	Glycyl-tRNA synthetase (GARS) catalyzes the attachment of glycine to tRNA(Gly). It is also able produce diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P41250].
Product Categories/Family for anti-GARS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	116805340
NCBI GeneID	2617
NCBI Accession #	NP_002038.2
NCBI GenBank Nucleotide #	NM_002047.2
UniProt Accession #	P41250; Q969Y1; B3KQA2; B4DIA0
Molecular Weight	83,166 Da
NCBI Official Full Name	glycine--tRNA ligase
NCBI Official Synonym Full Names	glycyl-tRNA synthetase
NCBI Official Symbol	GARS
NCBI Official Synonym Symbols	HMN5; CMT2D; DSMAV; GlyRS; SMAD1
NCBI Protein Information	glycine--tRNA ligase; AP-4-A synthetase; Charcot-Marie-Tooth neuropathy 2D; Charcot-Marie-Tooth neuropathy, neuronal type, D; diadenosine tetraphosphate synthetase; glycine tRNA ligase
UniProt Protein Name	Glycine--tRNA ligase
UniProt Gene Name	GARS
UniProt Synonym Gene Names	AP-4-A synthetase; GlyRS
UniProt Entry Name	SYG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gars-antibody-immunoprecipitation-western-blot-elisa/212905>