

Rabbit GARS Polyclonal Antibody | anti-GARS antibody

GARS Antibody

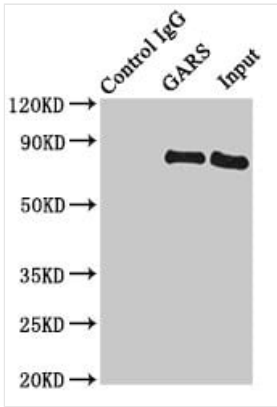
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232495	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

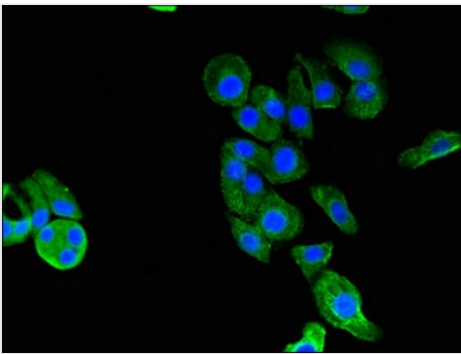
GARS; Polyclonal Antibody; GARS Antibody; Glycine--tRNA ligase; Diadenosine tetraphosphate synthetase; AP-4-A synthetase; Glycyl-tRNA synthetase; GlyRS; anti-GARS antibody

PRODUCT SPECIFICATIONS

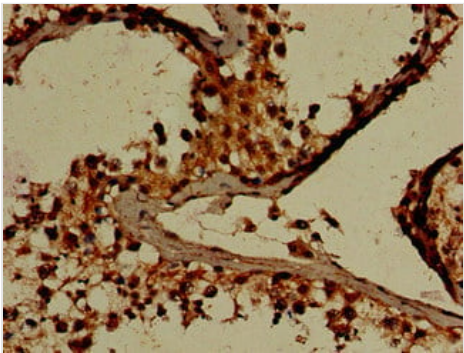
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	685
Applicable Applications for anti-GARS antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Glycine--tRNA ligase protein (1-389AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-69485 / sc-69486 / sc-98614
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.



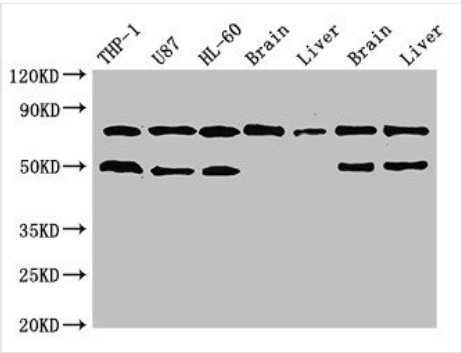
IP (Immunoprecipitation)
Immunoprecipitating GARS in HL-60 whole cell lysate Lane 1: Rabbit monoclonal IgG (1ug) instead of AAA232495 in HL-60 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA232495 (8ug)+ HL-60 whole cell lysate (500ug) Lane 3: HL-60 whole cell lysate (20ug)



IHC (Immunohistochemistry)
Immunofluorescent analysis of HepG2 cells using AAA232495 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human testis tissue using AAA232495 at dilution of 1:100



WB (Western Blot)
Western Blot Positive WB detected in: THP-1 whole cell lysate, U87 whole cell lysate, HL-60 whole cell lysate, Mouse brain tissue, Mouse liver tissue, Rat brain tissue, Rat liver tissue All lanes: GARS antibody at 3ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 84 KDa Observed band size: 84,50 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-GARS antibody	Catalyzes the attachment of glycine to tRNA(Gly). Is also able produce diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	943350815
NCBI GeneID	2617
NCBI Accession #	NP_001303701.1
NCBI GenBank Nucleotide #	NM_001316772.1
UniProt Accession #	P41250; Q969Y1; B3KQA2; B4DIA0
Molecular Weight	83,166 Da
NCBI Official Full Name	glycine--tRNA ligase isoform 2
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
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-immunofluorescence-immunohistochemistry-western-blot-elisa/232495>