

Rabbit GlyRS Polyclonal Antibody | anti-GARS antibody

Anti-GlyRS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA262205	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

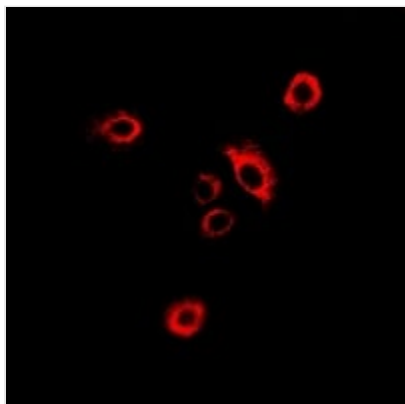
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

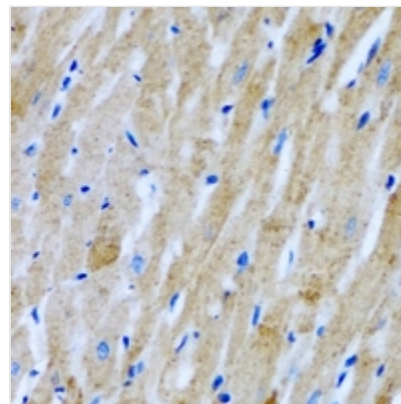
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of GlyRS protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	739
Applicable Applications for anti-GARS antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human GlyRS
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



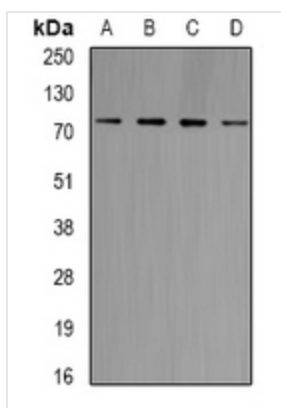
IF (Immunofluorescence)

Immunofluorescent analysis of GlyRS staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of GlyRS staining in rat heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of GlyRS expression in Jurkat (A), Raji (B), HT29 (C), mouse brain (D) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-GARS antibody

Rabbit polyclonal antibody to GlyRS

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/glyrs-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/262205>