

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

Rabbit anti-QARS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212911	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

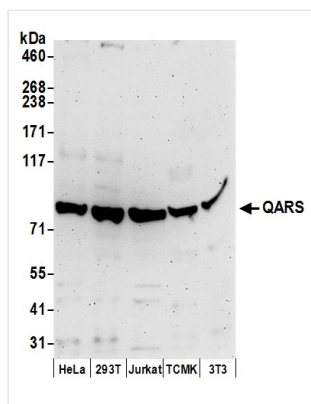
PRODUCT SYNONYMS

QARS; Polyclonal Antibody; Rabbit anti-QARS Antibody; Affinity Purified; GLNRS; PRO2195; MSCCA; Glutaminyl-tRNA synthetase; glutamine--tRNA ligase; glutamine-tRNA synthetase; Glutamine--tRNA ligase; glutaminyl-tRNA synthetase; anti-QARS antibody

PRODUCT SPECIFICATIONS

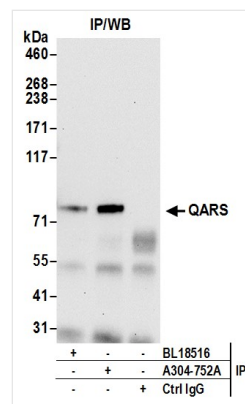
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-QARS antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 725 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse QARS 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-QARS antibody AAA212911 (lot AAA212911-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human QARS 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-QARS antibody AAA212911 (lot AAA212911-1) used for IP at 6 ug per reaction. QARS was also immunoprecipitated by rabbit anti-QARS antibody BL18516. For blotting immunoprecipitated QARS, AAA212911 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-QARS antibody	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. In metazoans, 9 aminoacyl-tRNA synthetases specific for glutamine (gln), glutamic acid (glu), and 7 other amino acids are associated within a multienzyme complex. Although present in eukaryotes, glutaminyl-tRNA synthetase (QARS) is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln). Glutaminyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. Alternative splicing results in multiple transcript variants [taken from NCBI Entrez Gene (Gene ID: 5859)].
Product Categories/Family for anti-QARS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826960
NCBI GeneID	5859
NCBI Accession #	NP_005042.1
NCBI GenBank Nucleotide #	NM_005051.1
UniProt Accession #	P47897
Molecular Weight	87,799 Da
NCBI Official Full Name	glutamine--tRNA ligase
NCBI Official Synonym Full Names	glutaminyl-tRNA synthetase
NCBI Official Symbol	QARS
NCBI Official Synonym Symbols	GLNRS; PRO2195
NCBI Protein Information	glutamine--tRNA ligase; glutamine tRNA ligase; glutamine-tRNA synthetase
UniProt Protein Name	Glutamine--tRNA ligase
UniProt Gene Name	QARS
UniProt Synonym Gene Names	GlnRS
UniProt Entry Name	SYQ_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://www.aaabiotech.com/polyclonal/qars-antibody-immunoprecipitation-western-blot-elisa/212911>