

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

QARS Polyclonal Antibody

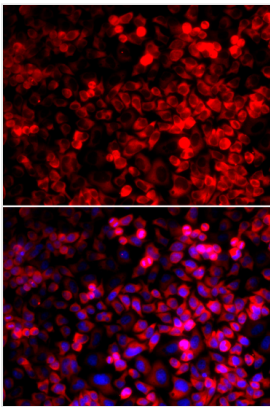
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280088	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

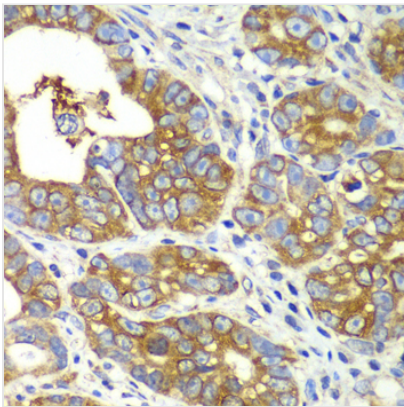
QARS; Polyclonal Antibody; QARS Polyclonal Antibody; GLNRS; MSCCA; PRO2195; anti-QARS antibody

PRODUCT SPECIFICATIONS

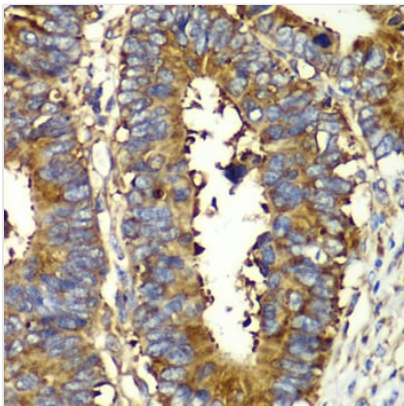
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	775
Applicable Applications for anti-QARS antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Gene ID	5859
Immunogen	Recombinant protein of human QARS
Calculated Molecular Weight	Refer to figures.
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



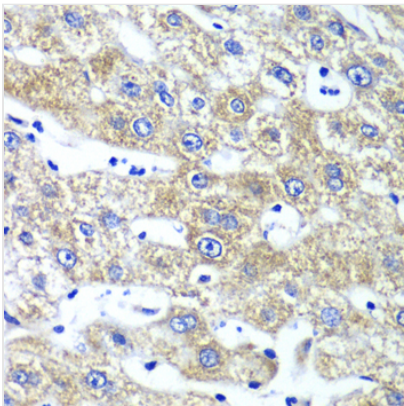
IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using QARS antibody. Blue: DAPI for nuclear staining.



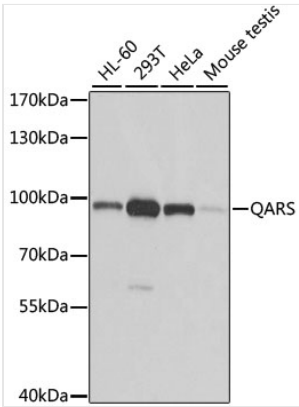
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human gastric cancer using QARS antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human colon carcinoma using QARS antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver injury using QARS antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using QARS antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

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.
Product Categories/Family for anti-QARS antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1351170
NCBI GeneID	5859
UniProt Accession #	P47897; B4DWJ2
Molecular Weight	775
NCBI Official Full Name	Glutamine--tRNA ligase
NCBI Official Synonym Full Names	glutaminyl-tRNA synthetase
NCBI Official Symbol	QARS
NCBI Official Synonym Symbols	GLNRS; MSCCA; PRO2195
NCBI Protein Information	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://stage.aaabiotech.com/polyclonal/qars-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/280088>