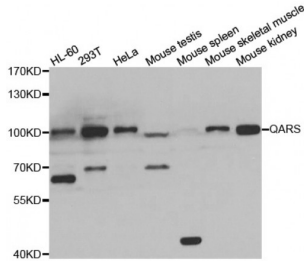


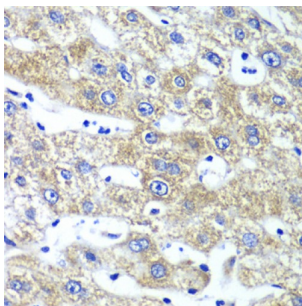
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## Glutaminyl tRNA Synthetase (QARS) Antibody

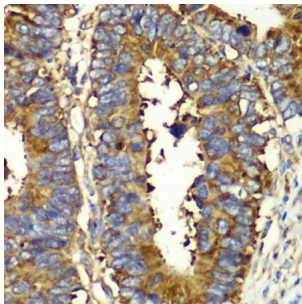
Catalogue No.: abx005279



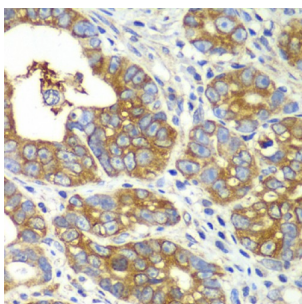
Western blot analysis of extracts of various cell lines, using QARS antibody (abx005279) at 1/1000 dilution.



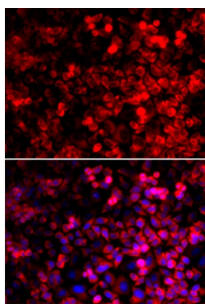
Immunohistochemistry of paraffin-embedded human liver injury using QARS antibody (abx005279) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using QARS antibody (abx005279) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using QARS antibody (abx005279) at dilution of 1/100 (40x lens).



Immunofluorescence analysis of U2OS cells using QARS antibody (abx005279). Blue: DAPI for nuclear staining.

QARS Antibody is a Rabbit Polyclonal antibody against QARS. Aminoacyl-tRNA synthetases catalyze the aminoacylation of

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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.

<b>Target:</b>	QARS
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Tested Applications:</b>	WB, IHC, IF/ICC
<b>Recommended dilutions:</b>	WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
<b>Immunogen:</b>	Recombinant protein of human QARS.
<b>Purification:</b>	Affinity purified.
<b>Form:</b>	Liquid
<b>Isotype:</b>	IgG
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
<b>Molecular Weight:</b>	Calculated MW: 86 kDa/87 kDa Observed MW: 100 kDa
<b>Swiss Prot:</b>	<a href="#">P47897</a>
<b>GeneID:</b>	<a href="#">5859</a>
<b>Gene Symbol:</b>	QARS
<b>Concentration:</b>	> 1 mg/ml
<b>Buffer:</b>	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

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**Note:** This product is for research use only.