

QARS Rabbit Polyclonal Antibody



CAB6960

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

88kDa

Calculated MW:

86kDa/87kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

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.

Immunogen information

Gene ID:

5859

Uniprot

P47897

Synonyms:

QARS; GLNRS; MSCCA; PRO2195

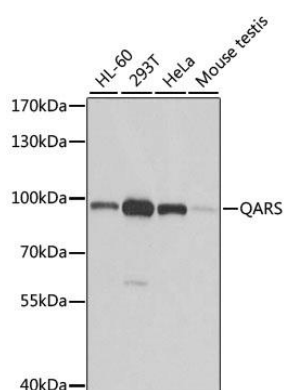
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human QARS (NP_005042.1).

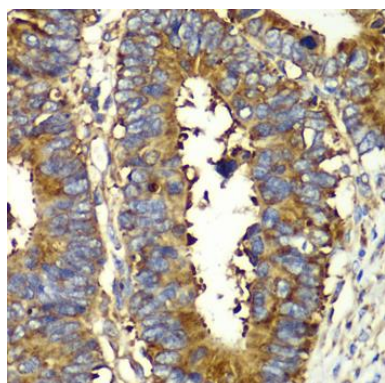
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

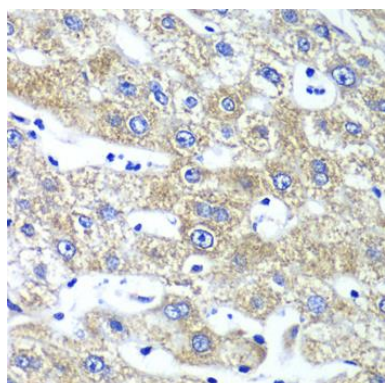
Product Images



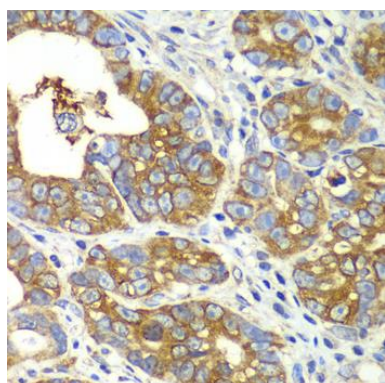
Western blot analysis of extracts of various cell lines, using QARS antibody (CAB6960) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using QARS antibody (CAB6960) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver damage using QARS antibody (CAB6960) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using QARS antibody (CAB6960) at dilution of 1:100 (40x lens).