

DNAXPAb

Hard-to-Find
Antibody

QARS DNAXPab

Catalog # H00005859-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human QARS DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MAALDSLSTSLGLSEQKARETLKNSALSAQLREAATQAQQLGSTIDKATGILLYGLASRLRDTRL SLFLVSYASKKIHTPEQLSAALEYVRSHPLDPIDTVDFERECGVGVITPEQIEEAVEAAINRHRP QLLVERYHFNMGLLMGEARAVLKWADGKMIKNEVDMQVLHLLGPKLEADLEKKFKVAKARLEET DRRTAKDVVENGETADQTLSLMEQLRGEALKFHKPGENYKTPGYVTPHTMNLKQHLEITGGQV RTRFPPEPNGILHIGHAKAINFNFGYAKANNGICFLRFDDTNPEKEEAKFFTAICDMVAWLGYTPYK VTYASDYFDQLYAWAVELIRRGLAYVCHQRGEELKGHNTLPSPWRDRPMEESLLLFEAMRKGKF SEGEATLRMKLVMEDGKMDPVAYRVKYTPHHRTGDKWCYPTYDYTHCLCDSIEHITHSLCTKEFQ ARRSSYFWLCNALDVYCPVQWEYGRNLHYAVVSKRKILQLVATGAVRDWDDPRLFTLTALRRR GFPPEAINNFCARVGVTVAQTTMEPHLLEACVRDVLNDTAPRAMAVLESRLVIITNFPAAKSLDIQ VPNFPADETKGFHQVPFAPIVFIERTDFKEEPEPGFKRLAWGQPVGLRHTGYVIELQHVVKGPSG CVESLEVTCRRADAGEKPKAFIHWVSQPLMCEVRLYERLFQHKNPEDPTEVPGGFLSDLNLASL HVDAALVDCSVALAKPFDKFQFERLGYSVDPDSHQGKLVFNRTVTLKEDPGKV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — QARS

Entrez GeneID [5859](#)

GeneBank Accession# [NM_005051.1](#)

Protein Accession# [NP_005042.1](#)

Gene Name QARS

Gene Alias GLNRS, PRO2195

Gene Description glutamyl-tRNA synthetase

Omim ID [603727](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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, glutamyl-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). Glutamyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by RefSeq]

Other Designations glutamine tRNA ligase|glutamine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Metabolic pathways](#)