

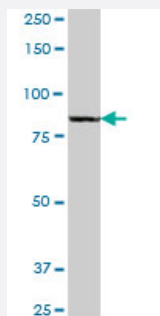
MaxPab®

QARS purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005859-B01P

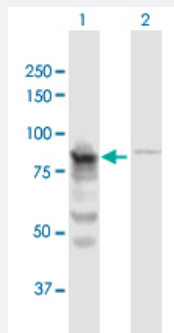
Size 50 ug

Applications



Western Blot (Tissue lysate)

QARS MaxPab polyclonal antibody. Western Blot analysis of QARS expression in human liver.

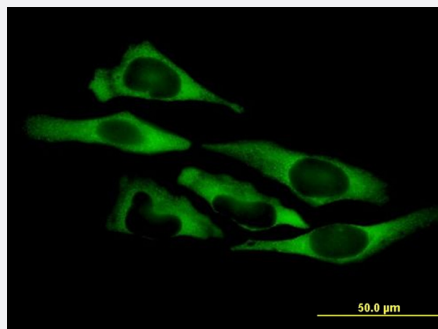


Western Blot (Transfected lysate)

Western Blot analysis of QARS expression in transfected 293T cell line ([H00005859-T01](#)) by QARS MaxPab polyclonal antibody.

Lane 1: QARS transfected lysate(85.25 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to QARS on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human QARS protein.

Immunogen	QARS (NP_005042.1, 1 a.a. ~ 775 a.a) full-length human protein.
Sequence	MAALDSLSTLFTSLGLSEQKARETLKNSALSAQLREAATQAQQLGSTIDKATGILLYGLASRLRDTR RLSFLVSYASKKIHTPEQLSAALEYVRSHPLDPIDTVDFERECGVGVVTPPEQIEEAVEAAINRHRP QLLVERYHFNMGLLMGEARAVLKWADGKMIKNEVDMQVLHLLGPKLEADLEKKFKVAKARLEET DRRTAKDVVENGETADQTLSLMEQLRGEALKFHKPGENYKTPGYVTPHTMNLKQHLEITGGQV RTRFPPEPNGILHIGHAKAINFNFGYAKANNGICFLRFDDTNPEKEEAKFFTAICDMVAWLGYTPYK VTYASYFDQLYAWAVELIRRGLAYVCHQRGEELKGHNTLPSPWRDRPMEESLLLFEAMRKGGK SEGEATLRMKLVMEDGKMDPVAYRVKYTPHHRTGDKWCYPTYDYTHCLCDSIEHITHSLCTKEFQ ARRSSYFWLCNALDVYCPVQWEYGRNLNHYAVVSKRKILQLVATGAVRDWDDPRLFTLTALRRR GFPPEAINNFCAVGVTVTAQTTMEPHLLEACVRDVLNDTAPRAMAVLESRLVIITNFPAAKSLDIQ VPNFPADETKGFHQVPFAPVFIERTDFKEEPEPGFKRLAWGQPVGLRHTGYVIELQHVVKGPSG CVESLEVTCCRADAGEKPKAFIHVWSQPLMCEVRLYERLFQHKNPEDPTEVPGGFLSDLNLASL HVVDAALVDCSVALAKPFDKFQFERLGYSVDPDSHQGLVFNRTVTLKEDPGKV
Host	Mouse
Reactivity	Human
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 (Tissue lysate)

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[Protocol Download](#)

- Western Blot (Transfected lysate)

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- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to QARS on HeLa cell. [antibody concentration 10 ug/ml]

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	glutaminyl-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, 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. [provided by RefSeq]
Other Designations	glutamine tRNA ligase glutamine-tRNA synthetase

Pathway

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