

Datasheet for ABIN2786804
anti-QARS antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	QARS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Pig, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This QARS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human QARS
Sequence:	DQTLSLMEQL RGEALKFHKP GENYKTPGYV VTPHTMNLK QHLEITGGQV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against QARS. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	QARS
Alternative Name:	QARS (QARS Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: GLNRS, PRO2195</p> <p>Protein Interaction Partner: TCF12, AES, KLC3, DTX2, LZTS2, VPS37B, HUWE1, TRAF4, TRIP13, SUMO2, STAU1, UBC, SUMO1, NEDD8, RNF2, EIF2B3, IQGAP1, AIMP2, VARS, TUBB2A, RPLP0, RPL27A, RPL27, RPL23A, RPL19, RPL15, RPL13, RPL10, RPL7A, RFC4, RARS, PTBP1, PSMC6, NMT1, MRE11A, MARS, IARS, D</p> <p>Protein Size: 775</p>
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Molecular Weight:	88 kDa
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Gene ID:	5859
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NCBI Accession:	NM_005051 , NP_005042
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UniProt:	P47897
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 775 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

