# antibodies .- online.com







# anti-QARS antibody (N-Term)



Image



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Alternative Name:

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 VTPHTMNLLK 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

QARS (QARS Products)

# **Target Details**

Background:
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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.

Alias Symbols: GLNRS, PRO2195

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

Protein Size: 775

Molecular Weight:	88 kDa
Gene ID:	5859
NCBI Accession:	NM_005051, NP_005042
UniProt	P47897

# **Application Details**

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

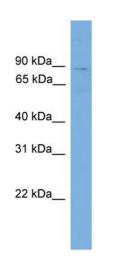
### Handling

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

# 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**



Rabbit Anti-QARS Antibody Catalog Number: ARP56628 Lot Number: QC27735

Lane: Transfected 293T Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

# **Western Blotting**

Image 1.