

QARS Antibody

Catalog No: #47181

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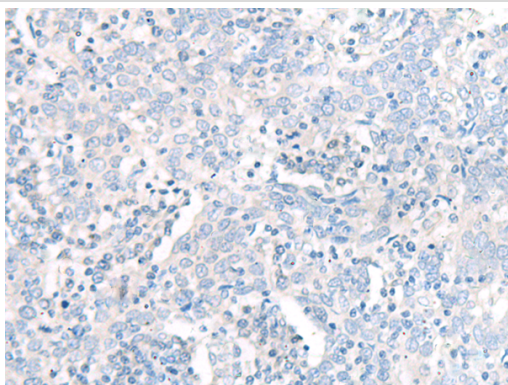
Description

Product Name	QARS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total QARS protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human QARS
Target Name	QARS
Other Names	GLNRS; MSCCA; PRO2195
Accession No.	Swiss-Prot#:P47897NCBI Gene ID:5859Gene Accssion:BC016634
Uniprot	P47897
GeneID	5859;
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20C

Application Details

Immunofluorescence:1: 20-100

Images



The image is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 47181(QARS Antibody) at dilution 1/25. (Original magnification: ?00)

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). GlutaminyI-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. Alternative splicing results in multiple transcript variants.?

Note: This product is for in vitro research use only