

QARS1 RABBIT PAB

Cat.#: S218759

Product Name: Anti-QARS1 Rabbit Polyclonal Antibody

Synonyms: QARS; GLNRS; MSCCA; PRO2195

UNIPROT ID: P47897 (Gene Accession - BC016634)

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

Immunogen: Fusion protein of human QARS1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

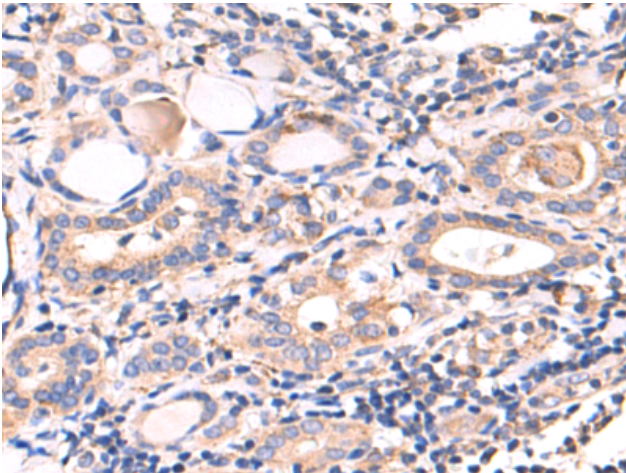
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

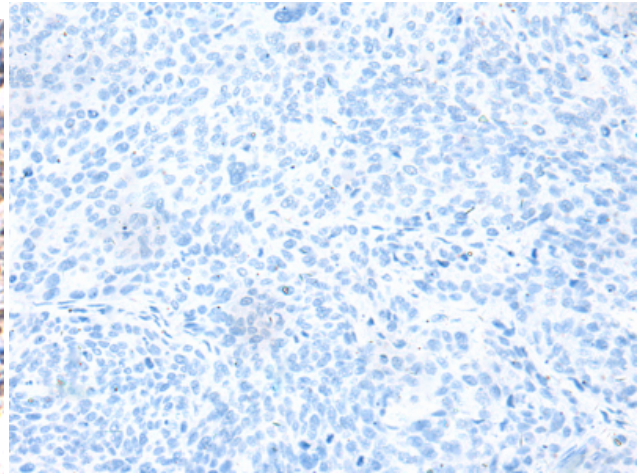
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 218759(QARS1 Antibody) at a dilution of 1/80(Cytoplasm).



The image on the left is immunohistochemistry of paraffin-embedded Human bladder cancer tissue using 218759(Anti-QARS1 Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 218759(Anti-QARS1 Antibody) at dilution 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human bladder cancer tissue is first treated with fusion protein and then with D225123(Anti-QARS1 Antibody) at dilution 1/80.