

WARS2 RABBIT PAB

Cat.#: S218277

Product Name: Anti-WARS2 Rabbit Polyclonal Antibody

Synonyms: TrpRS; NEMMLAS; mtTrpRS

UNIPROT ID: Q9UGM6 (Gene Accession - BC044575)

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. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. This gene encodes the mitochondrial tryptophanyl-tRNA synthetase. Two alternative transcripts encoding different isoforms have been described.

Immunogen: Fusion protein of human WARS2

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 100-200;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

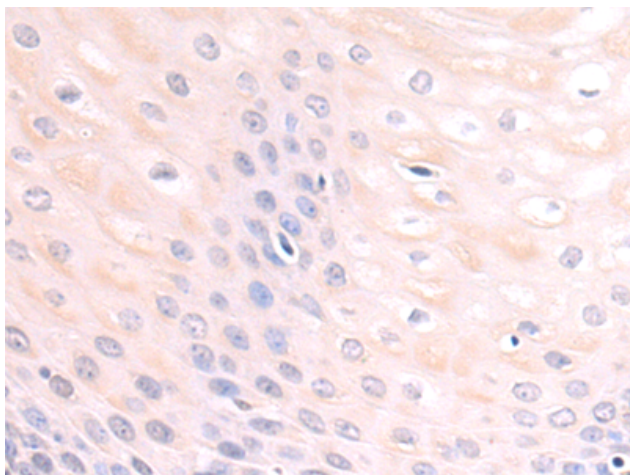
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

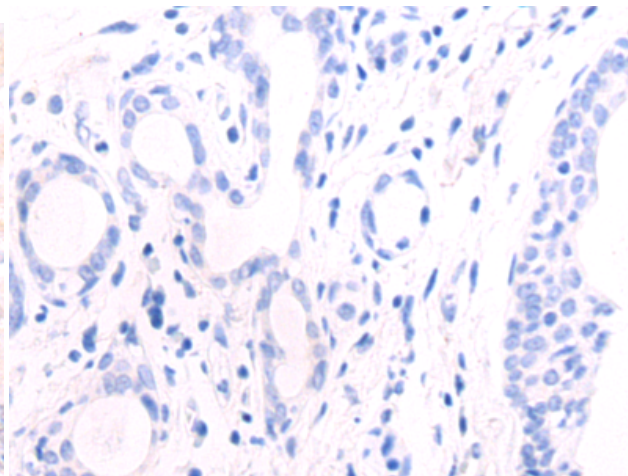
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

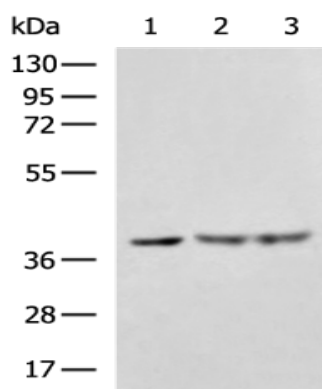
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 218277(WARS2 Antibody) at a dilution of 1/120(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 218277(Anti-WARS2 Antibody) at dilution 1/120.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-3: LNCAP, HeLa, 231 cell lysates;
Primary antibody: 218277(WARS2 Antibody) at dilution 1/1600;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 20 seconds