

TOP1MT RABBIT PAB

Cat.#: S220009

Product Name: Anti-TOP1MT Rabbit Polyclonal Antibody

Synonyms:

UNIPROT ID: Q969P6 (Gene Accession - NP_001245375)

Background: This gene encodes a mitochondrial DNA topoisomerase that plays a role in the modification of DNA topology. The encoded protein is a type IB topoisomerase and catalyzes the transient breaking and rejoining of DNA to relieve tension and DNA supercoiling generated in the mitochondrial genome during replication and transcription. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Immunogen: Synthetic peptide of human TOP1MT

Applications: ELISA, IHC

Recommended Dilutions: IHC: 20–May; ELISA: 1000–2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

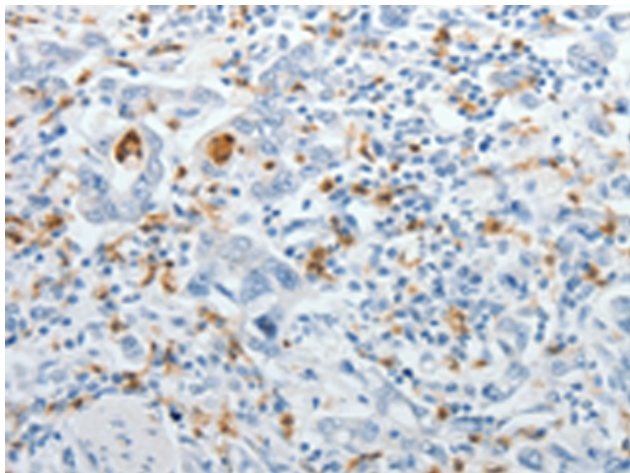
Purification: Antigen affinity purification

Species Reactivity: Human

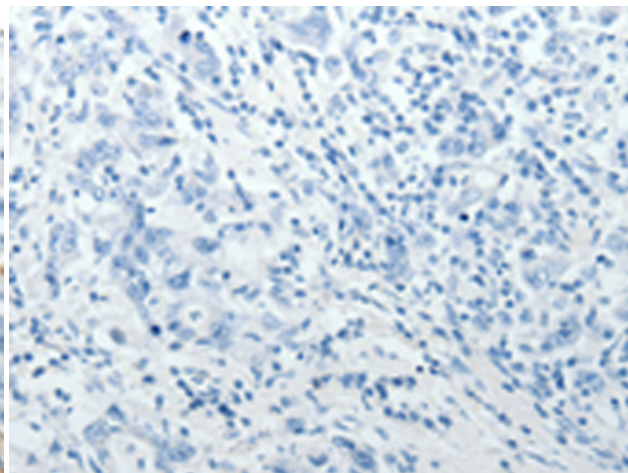
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

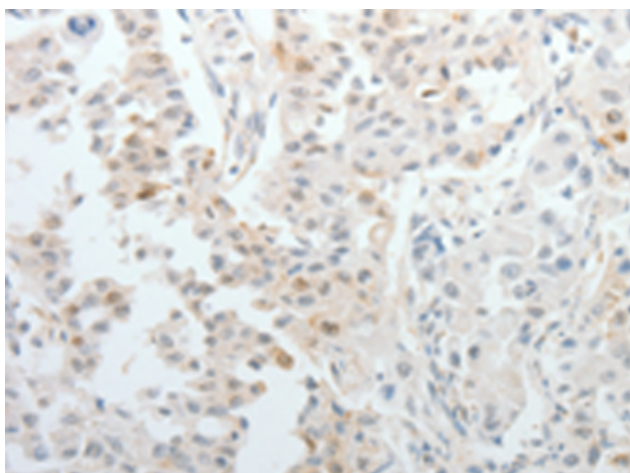
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



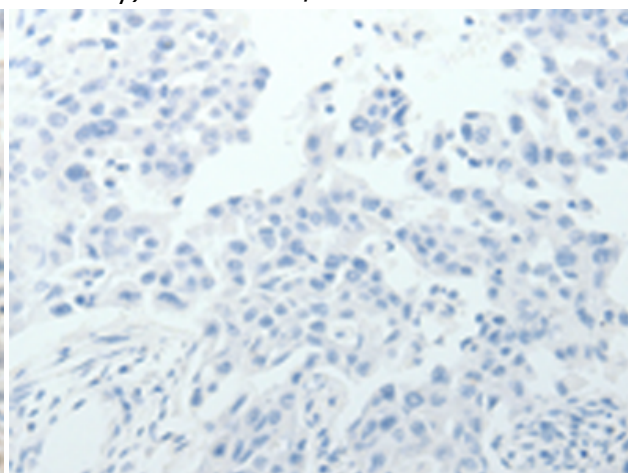
Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 220009 (TOP1MT Antibody) at a dilution of 1/10 (Cytoplasm, Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 220009 (Anti-TOP1MT Antibody) at dilution 1/10.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 220009 (Anti-TOP1MT Antibody) at a dilution of 1/10.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with synthetic peptide and then with D260774 (Anti-TOP1MT Antibody) at dilution 1/10.