

DUT RABBIT PAB

货号: S219749

产品全名: DUT 兔多抗

基因符号: dUTPase

UNIPROT ID: P33316 (Gene Accession - NP_001939)

背景: This gene encodes an essential enzyme of nucleotide metabolism. The encoded protein forms a ubiquitous, homotetrameric enzyme that hydrolyzes dUTP to dUMP and pyrophosphate. This reaction serves two cellular purposes: providing a precursor (dUMP) for the synthesis of thymine nucleotides needed for DNA replication, and limiting intracellular pools of dUTP. Elevated levels of dUTP lead to increased incorporation of uracil into DNA, which induces extensive excision repair mediated by uracil glycosylase. This repair process, resulting in the removal and reincorporation of dUTP, is self-defeating and leads to DNA fragmentation and cell death. Alternative splicing of this gene leads to different isoforms that localize to either the mitochondrion or nucleus. A related pseudogene is located on chromosome 19.

抗原: Synthetic peptide of human DUT

经过测试的应用: ELISA, IHC

推荐稀释比: IHC: 25-100; ELISA: 1000-2000

种属反应性: Rabbit

克隆性: Rabbit Polyclonal

亚型: Immunogen-specific rabbit IgG

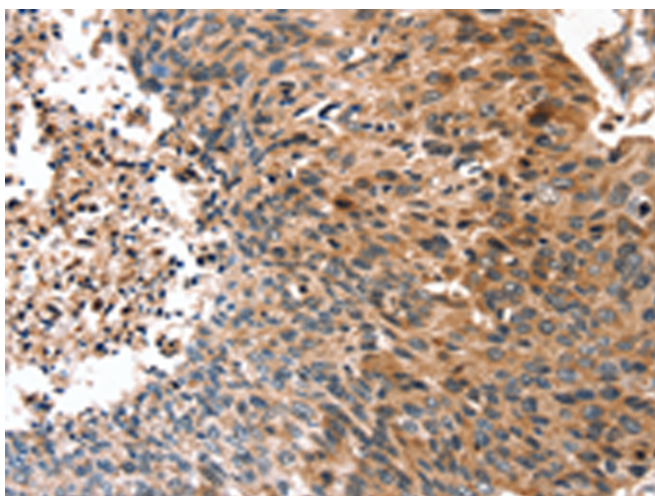
纯化: Antigen affinity purification

种属反应性: Human, Rat

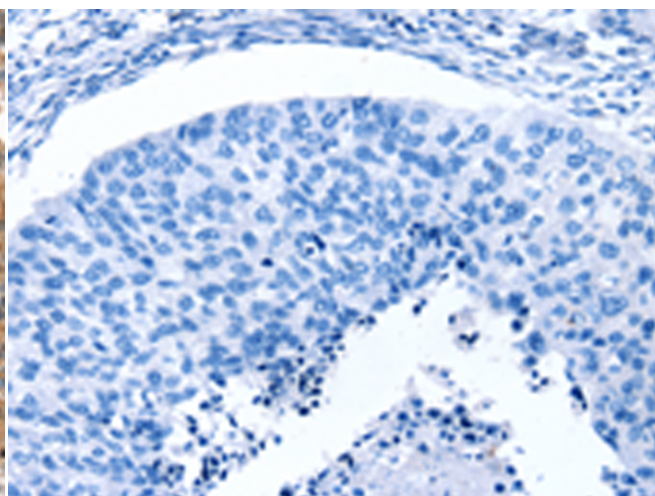
成分: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

研究领域: Epigenetics and Nuclear Signaling

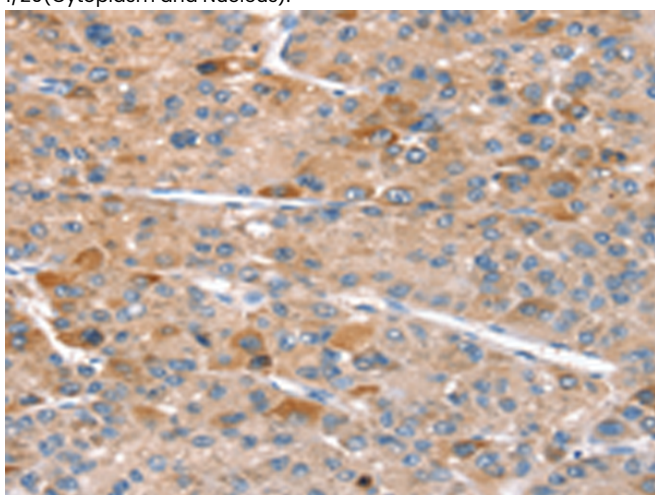
储存和运输: Store at -20°C. Avoid repeated freezing and thawing



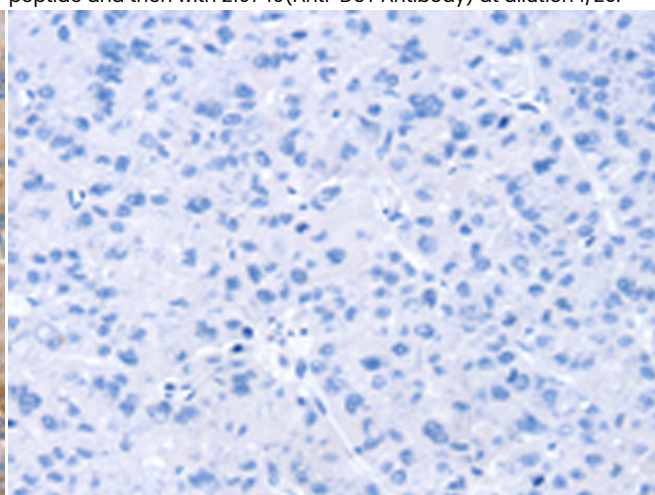
Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 219749(DUT Antibody) at a dilution of 1/20(Cytoplasm and Nucleus).



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 219749(Anti-DUT Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 219749(Anti-DUT Antibody) at a dilution of 1/20.



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 D260268(Anti-DUT Antibody) at dilution 1/20.



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
