

Rabbit anti-Human, Rat DUT Polyclonal Antibody | anti-DUT antibody

DUT Polyclonal Antibody

CATALOG # AAA176556	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry
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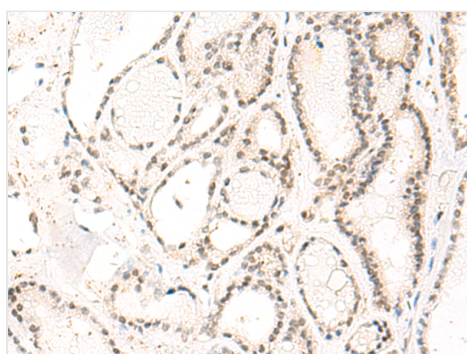
PRODUCT SYNONYMS

DUT; Polyclonal Antibody; DUT Polyclonal Antibody; Deoxyuridine 5' triphosphate nucleotidohydrolase; Nuclear isoform; Deoxyuridine 5'-triphosphate nucleotidohydrolase; Mitochondrial; Deoxyuridine triphosphatase; Dut; DUTP nucleotidohydrolase; DUTP pyrophosphatase; DUTPase; FLJ20622; anti-DUT antibody

PRODUCT SPECIFICATIONS

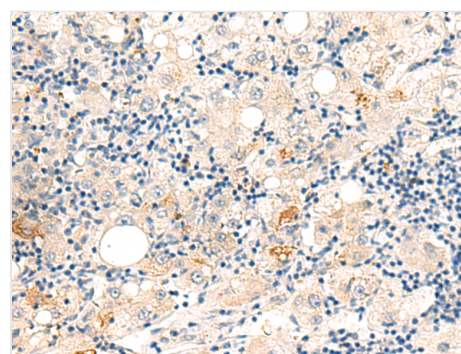
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Concentration	1.08mg/mL (varies by lot)
Sequence Length	252
Applicable Applications for anti-DUT antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Fusion protein of human DUT
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using DUT Polyclonal Antibody at dilution of 1:60(×200



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using DUT Polyclonal Antibody at dilution of 1:60(×200

ADDITIONAL INFORMATION

Related Product Information for anti-DUT antibody	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.
Product Categories/Family for anti-DUT antibody	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	347595814
NCBI GeneID	1854
UniProt Accession #	P33316
NCBI Official Full Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial
NCBI Official Synonym Full Names	deoxyuridine triphosphatase
NCBI Official Symbol	DUT
NCBI Official Synonym Symbols	dUTPase
NCBI Protein Information	deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial
UniProt Protein Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial
UniProt Gene Name	DUT
UniProt Synonym Gene Names	dUTPase
UniProt Entry Name	DUT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.