

Rabbit DUT Polyclonal Antibody | anti-DUT antibody

Anti-DUT antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45507	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

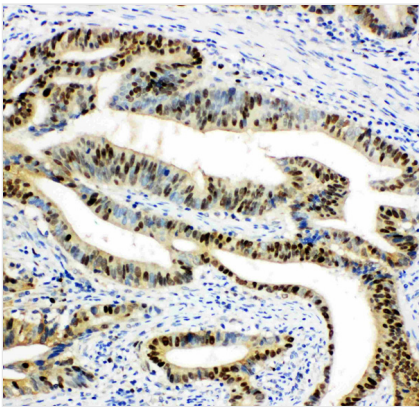
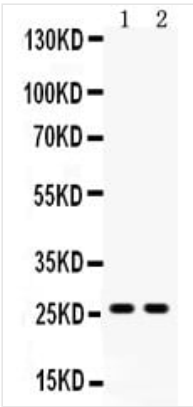
PRODUCT SYNONYMS

DUT; Polyclonal Antibody; Anti-DUT antibody; Deoxyuridine 5'-triphosphate nucleotidohydrolase; mitochondrial; deoxyuridine triphosphatase; Deoxyuridine 5' triphosphate nucleotidohydrolase; nuclear isoform antibody; mitochondrial antibody; Deoxyuridine triphosphatase antibody; dut antibody; DUT_HUMAN antibody; dUTP nucleotidohydrolase antibody; dUTP pyrophosphatase antibody; dUTPase antibody; FLJ20622 antibody; anti-DUT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	252
Applicable Applications for anti-DUT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human DUT (212-229aa KKGDRIAQLICERIFYPE), different from the related rat and mouse sequences by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-DUT antibody, AAA45507, Western blottingAll lanes: Anti DUT (AAA45507) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: SMMC Whole Cell Lysate at 40ugPredicted bind size: 27KDObserved bind size: 27KD

IHC (Immunohistochemistry)
Anti-DUT antibody, AAA45507, IHC(P)IHC(P): Human Intestinal Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-DUT antibody	Description: Rabbit IgG polyclonal antibody for Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial(DUT) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: Deoxyuridine triphosphate nucleotidohydrolase(dUTPase) is responsible for maintaining low intracellular levels of dUTP, thus preventing the incorporation of dUTP into DNA. dUTPase activity/expression can be down-regulated using siRNA specifically targeted to dUTPase mRNA and dUTPase plays a role in DNA nucleotide metabolism. This protein, present predominantly in the cytoplasm, contains 252 amino acids with a Mr of 26,704. It exhibits 35% identity with the E.coli dUTPase and 53% identity with the Saccharomyces cerevisiae enzyme. The nuclear and mitochondrial forms of dUTPase are encoded by the same gene with isoform-specific transcripts arising through the use of alternative 5-prime exons. Human dUTPase exhibits 92% identity with rat. Moreover, this enzyme has profound effects on the efficacy of agents that target thymidylate biosynthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	347595814
NCBI GeneID	1854
UniProt Accession #	P33316; O14785; Q16708; Q16860; Q6FHN1; Q6NSA3; Q96Q81; A8K650; B4DPR5
Molecular Weight	17,748 Da
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; dUTP pyrophosphatase; dUTP nucleotidohydrolase
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.

