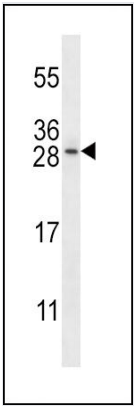
dut Antibody – Rabbit Polyclonal

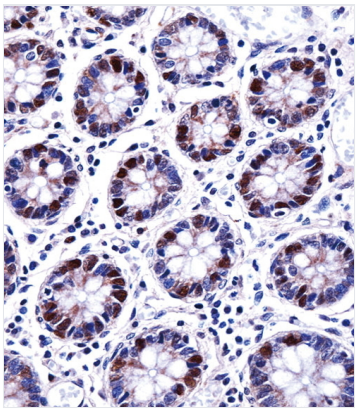
PRODUCT OVERVIEW

Product Name	DUT, Polyclonal Antibody
Full Product Name	DUT, CT (DUT, Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial, dUTP pyrophosphatase)
Product Gene Name	anti-dut antibody
Product Synonym Names	Anti -DUT, CT (DUT, Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial, dUTP pyrophosphatase)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	15,195 Da
Chromosome Location	NC_002747.1 (10085..10504)
3D Structure	ModBase 3D Structure for Q77K24
Immunogen	DUT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-198 amino acids from the C-terminal region of human DUT.
Product Categories/Family for anti-dut antibody	Antibodies; Abs to Mitochondrial Proteins
Applications Tested/Suitable for anti-dut antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-dut antibody	Suitable for use in Western Blot, Immunohistochemistry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:10-50
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.
Other Notes	Small volumes of anti-dut antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for dut purchase	MBS6003529 is an antibody targeting dut. Also known as DUT, CT (DUT, Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial, dUTP pyrophosphatase). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-dut antibody
DUT Antibody (C-term) western blot analysis in human normal Uterus tissue lysates (35ug/lane).This demonstrates the DUT antibody detected the DUT protein (arrow).



Immunohistochemistry (IHC) of anti-dut antibody
DUT Antibody (C-term) (AP14203b)immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of DUT Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for dut. It may not necessarily be applicable to this product.

NCBI GI #	13786552
NCBI GeneID	921031
NCBI Accession #	NP_112684.1
UniProt Primary Accession #	Q77K24
UniProt Related Accession #	Q77K24
GenBank Nucleotide #	NC_002747.1
NCBI Official Full Name	DUT
NCBI Official Symbol	dut
UniProt Protein Name	DUT
Protein Family	Deoxyuridine 5'-triphosphate nucleotidohydrolase
UniProt Gene Name	dut
UniProt Entry Name	Q77K24_9CAUD
NCBI Protein Information	dUTPase, putative; DUT
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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