

Rabbit DUT Polyclonal Antibody | anti-DUT antibody

DUT antibody

CATALOG # AAA302710	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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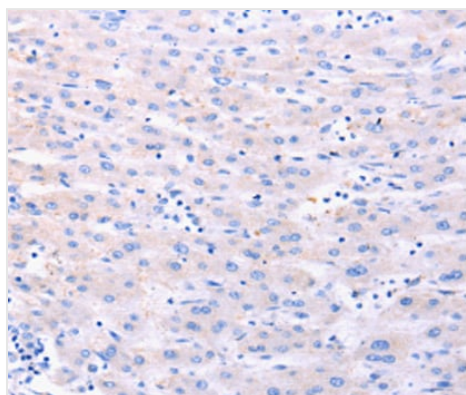
PRODUCT SYNONYMS

DUT; Polyclonal Antibody; DUT antibody; dUTPase; anti-DUT antibody

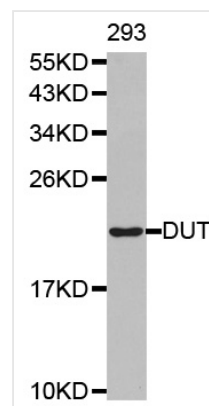
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total DUT antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	252
Applicable Applications for anti-DUT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human DUT.
Target Name	DUT
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human liver cancer tissue using DUT antibody.


WB (Western Blot)

Western blot analysis of extracts of 293 cell line, using DUT antibody.

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	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	70906441
NCBI GeneID	1854
NCBI Accession #	NP_001020419.1
NCBI GenBank Nucleotide #	NM_001025248.1
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 isoform 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/dut-antibody-immunohistochemistry-western-blot-elisa/302710>