

Rabbit DUT Polyclonal Antibody | anti-DUT antibody

DUT Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166295	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

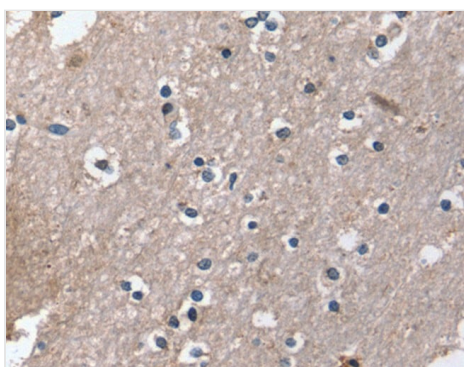
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

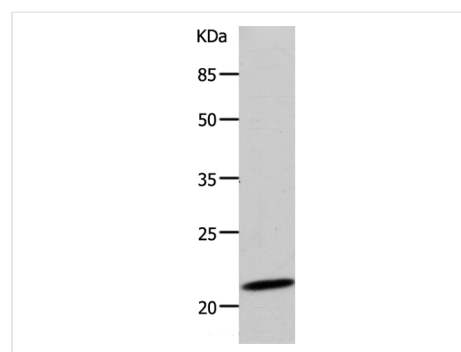
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	139
Applicable Applications for anti-DUT antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Synthetic peptide of human DUT
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human brain using DUT Polyclonal Antibody at dilution of 1:30



WB (Western Blot)

Western Blot analysis of 293T cell using DUT Polyclonal Antibody at dilution of 1:500

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13786552
NCBI GeneID	921031
NCBI Accession #	NP_112684.1
NCBI GenBank Nucleotide #	NC_002747.1
Molecular Weight	15,195 Da
NCBI Official Full Name	DUT
NCBI Official Symbol	dut
NCBI Protein Information	dUTPase, putative; DUT
UniProt Protein Name	DUT
UniProt Gene Name	dut
UniProt Entry Name	Q77K24_9CAUD

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://stage.aaabiotech.com/polyclonal/dut-antibody-immunohistochemistry-western-blot-elisa/166295>