

## Anti-DUT antibody

<b>Cat. No.</b>	ml125759
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-DUT rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Fusion protein of human DUT
<b>Reactivity</b>	Human, Rat
<b>Content</b>	1.08 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	DUT
<b>Full name</b>	deoxyuridine triphosphatase
<b>Synonyms</b>	dUTPase
<b>Swissprot</b>	P33316

### Target Background

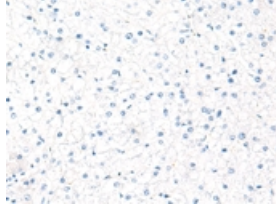
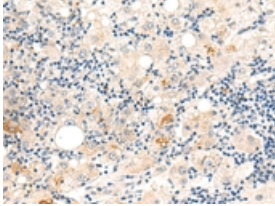
This gene encodes an essential enzyme of nucleotide metabolism. The encoded protein forms a ubiquitous, homotetrameric enzyme that hydrolyzes dUTP to dUMP and pyrophosphate. This reaction serves two cellular purposes: providing a precursor (dUMP) for the synthesis of thymine nucleotides needed for DNA 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.

订购热线: 4008-898-798

### Applications

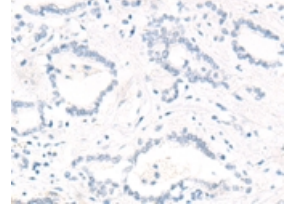
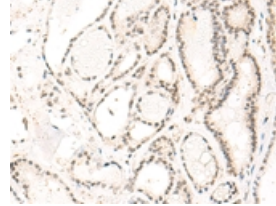
#### Immunohistochemistry

Predicted cell location: Cytoplasm or Nucleus  
Positive control: Human liver cancer  
Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml125759(DUT Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm or Nucleus  
Positive control: Human thyroid cancer  
Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml125759(DUT Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

#### ELISA

Recommended dilution: 5000-10000

联系电话: 4008-898-798, 021-61725725

联系QQ: 2881505695, 2881505696

邮箱: [mlbio\\_cn@yeah.net](mailto:mlbio_cn@yeah.net)

网址: [www.mlbio.cn](http://www.mlbio.cn)