

DUT Recombinant Rabbit mAb

Catalog: BS50113

Host: Rabbit

Reactivity: Human

BackGround:

This gene encodes an essential enzyme of nucleotide metabolism. The encoded protein forms a ubiquitous, homo-tetrameric 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. [provided by RefSeq, Jul 2008]

Product:

1mg/ml in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.

Molecular Weight:

19 kDa

Swiss-Prot:

P33316

Purification&Purity:

Affinity Purification

Applications:

WB: 1:1000-1:10000
ICC/IF: 1:200-1:1000
FC: 1:200-1:1000
IP: 1:100-1:200

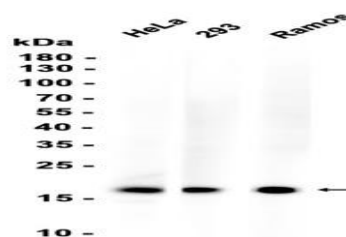
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

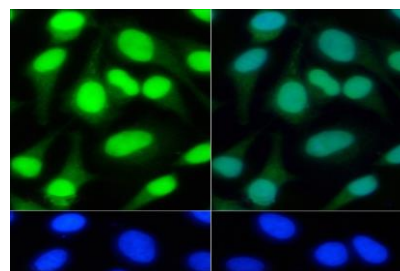
Specificity:

The antibody detects endogenous levels of it.

DATA:



Western blot analysis of extracts from HeLa, 293, Ramos cells using it at 1:1000.



Immunofluorescence analysis of 3T3 cells labelling S100A6 with it.

Note:

For research use only, not for use in diagnostic procedure.

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