

Recombinant

DGRmAb®

DUT (DGR36094) Rabbit mAb

db16329

Package : 10µL 20µL 50µL 100µL

Product Name : DUT (DGR36094) Rabbit mAb**Cat.No.:** db16329**Synonyms** : BMFDMS; dUTPase**Application** : WB, ICC/IF, FC, IP**Reactivity** : Human**Host species** : Rabbit**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. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of Human DUT

Gene ID

1854

Swiss Prot

P33316

Synonyms

BMFDMS; dUTPase

Reactivity

Human

Application

WB, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:10000

ICC/IF: 1:200-1:1000

FC: 1:200-1:1000

IP: 1:100-1:200

Calculated MW

27 kDa

Observed MW

19 kDa

Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR36094
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.