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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DUT MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00001854-B01

規格 : [50 uL]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human DUT protein.

Immunogen: DUT (NP_001020419, 1 a.a. ~ 252 a.a) full-length human protein.

Sequence:
 MTPLCPRPALCYHFLTSLLRSAMQNARGARQRAEAAVLSGPGPPLGRA
 AQHGIPRPLSSAGRLSQGCRGASTVGAAGWKGELPKAGGSPAPGPET
 PAISPSKRARPAEVGGMQLRFARLSEHATAPTRGSARAAGYDLYSAYDY
 TIPPMEKAVWKTDIQIALPSGCYGRVAPRSGLAAKHFIDVGAGVIDEDYRG
 NVGWLFNFGKEKFEVKKGDRIAQLICERIFYPEIEEVQALDDTERGSGG
 FGSTGKN

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

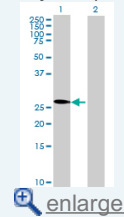
Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

MSDS: [Download](#)

Datasheet: [Download](#)

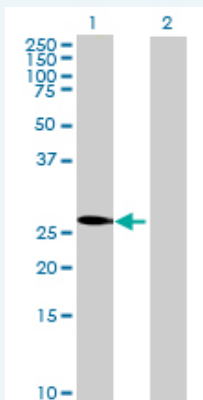
Application Image

Western Blot (Transfected lysate)



Applications

Western Blot (Transfected lysate)



Western Blot analysis of DUT expression in transfected 293T cell line (H00001854-T01) by DUT MaxPab polyclonal antibody.

Lane 1: DUT transfected lysate(27.72 KDa).

Lane 2: Non-transfected lysate.

Gene Information

Entrez GeneID: [1854](#)

**GeneBank
Accession#:** [NM_001025248](#)

**Protein
Accession#:** [NP_001020419](#)

Gene Name: DUT

Gene Alias: FLJ20622,dUTPase

**Gene
Description:** deoxyuridine triphosphatase

Omim ID: [601266](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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]

**Other
Designations:** dUTP nucleotidohydrolase,dUTP pyrophosphatase,deoxyuridine 5'-triphosphate nucleotidohydrolase

Gene Pathway

[Metabolic pathways](#) [Pyrimidine metabolism](#)

Related Disease

[DNA Damage](#) [Genetic Predisposition to Disease](#)