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Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DUT purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00001854-D01P

規格 : [100 ug]

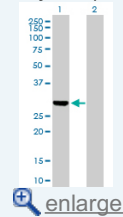
[List All](#)

Specification

Product Description:	Rabbit polyclonal antibody raised against a full-length human DUT protein.
Immunogen:	DUT (NP_001020419.1, 1 a.a. ~ 252 a.a) full-length human protein.
Sequence:	MTPLCPRPALCYHFLTSLLRSAMQNARGARQRAEAAVLSGPGPPLGRA AQHGIPRPLSSAGRLSQGCRGASTVGAAGWKGELPKAGGSPAPGPET PAISPSKRARPAEVGGMLRFARLSEHATAPTRGSARAAGYDLYSAYDY TIPPMEKAVWKTDIQIALPSGCYGRVAPRSGLAAKHFIDVGAGVIDEDYRG NVGVWLFNFGKEKFEVKKGDRIAQLICERIFYPEIEEVQALDDTERGSGG FGSTGKN
Host:	Rabbit
Reactivity:	Human
Quality Control Testing:	Antibody reactive against mammalian transfected lysate.
Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download
Datasheet:	Download

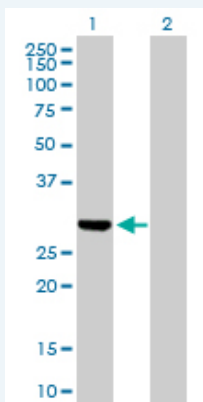
Application Image

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(26.60 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Information

Entrez GeneID: [1854](#)

GeneBank
Accession#: [NM_001025248](#)

Protein
Accession#: [NP_001020419.1](#)

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](#)