

Product datasheet for **TA503502BM**

UNG Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1A6]

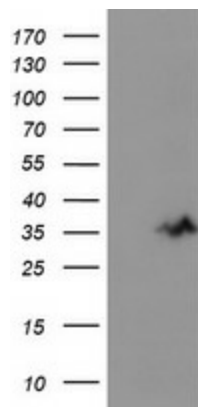
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1A6 |
| Applications: | WB |
| Recommended Dilution: | WB 1:2000 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human UNG(NP_550433) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 34.5 kDa |
| Gene Name: | uracil DNA glycosylase |
| Database Link: | NP_550433 Entrez Gene 22256 Mouse Entrez Gene 304577 Rat Entrez Gene 7374 Human P13051 |



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- Background:** This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases occur from cytosine deamination or misincorporation of dUMP residues. Alternative promoter usage and splicing of this gene leads to two different isoforms: the mitochondrial UNG1 and the nuclear UNG2. The UNG2 term was used as a previous symbol for the CCNO gene (GeneID 10309), which has been confused with this gene, in the literature and some databases. [provided by RefSeq]
- Synonyms:** DGU; HIGM4; HIGM5; UDG; UNG1; UNG2; UNG15
- Protein Families:** Druggable Genome, Stem cell - Pluripotency
- Protein Pathways:** Base excision repair, Primary immunodeficiency

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UNG ([RC222868], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UNG. Positive lysates [LY408998] (100ug) and [LC408998] (20ug) can be purchased separately from OriGene.