

Product datasheet for **CF503567**

UNG Mouse Monoclonal Antibody [Clone ID: OTI2F3]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2F3 |
| Applications: | IF, WB |
| Recommended Dilution: | WB 1:2000, IF 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human UNG(NP_550433) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| 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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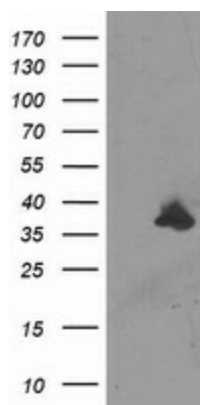
Background: This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases occur from cytosine 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 (GenelD 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

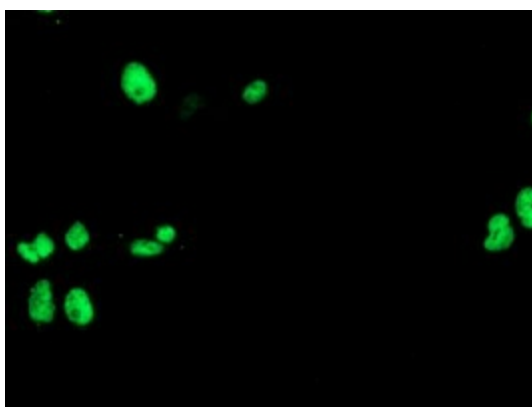
Protein Families: Druggable Genome, Stem cell - Pluripotency

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.



Anti-UNG mouse monoclonal antibody ([TA503567]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY UNG ([RC222868]).