

Product datasheet for TA503513

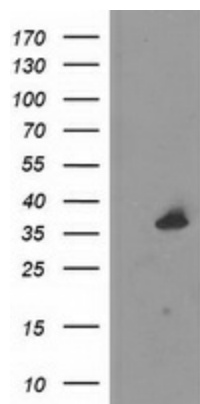
UNG Mouse Monoclonal Antibody [Clone ID: OTI1A11]

Product data:

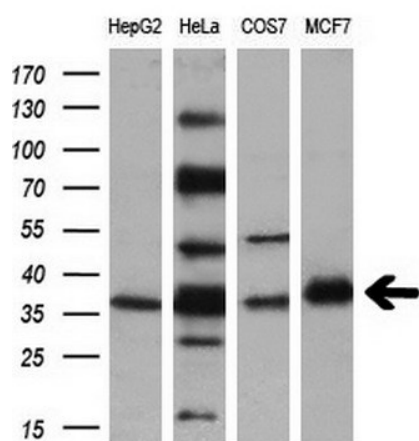
Product Type:	Primary Antibodies
Clone Name:	OTI1A11
Applications:	IF, IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UNG(NP_550433) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.79 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	34.5 kDa
Gene Name:	uracil DNA glycosylase
Database Link:	NP_550433 Entrez Gene 7374 Human
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



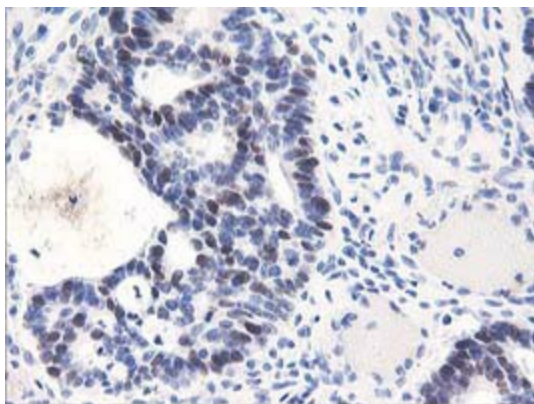
Product images:



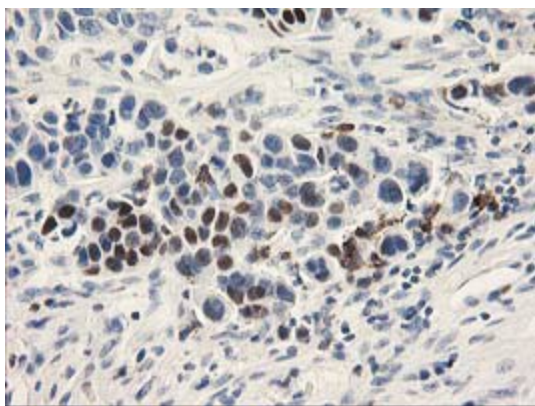
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UNG ([RC222868], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UNG. Positive lysates [LY408998] (100ug) and [LC408998]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



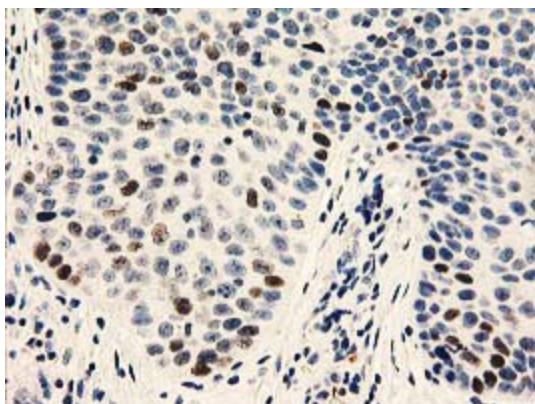
Western blot analysis of extracts (10ug) from 4 different cell lines by using anti-UNG monoclonal antibody (1:200).



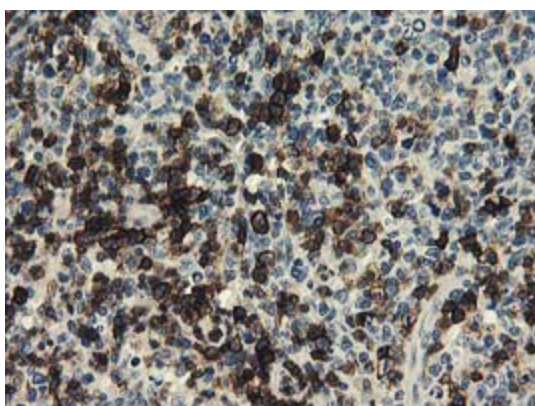
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-UNG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503513)



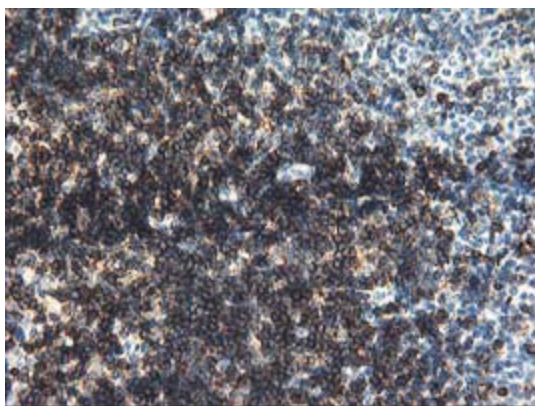
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-UNG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503513)



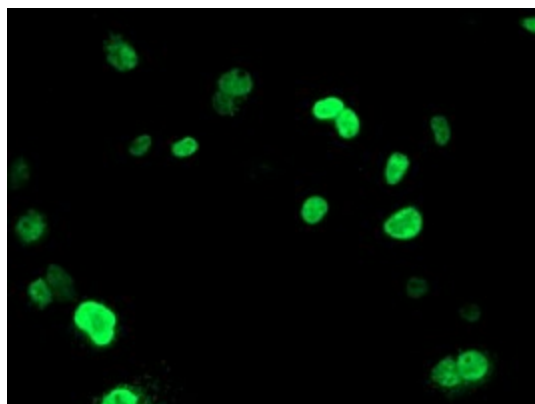
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-UNG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503513)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-UNG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503513)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-UNG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503513)



Anti-UNG mouse monoclonal antibody (TA503513) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY UNG ([RC222868]).