OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM09040PU-S

UNG Mouse Monoclonal Antibody [Clone ID: k1C12]

Product data:

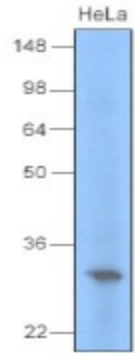
Product Type:	Primary Antibodies
Clone Name:	k1C12
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	**ELISA.** **Western blot** (1/1,000-1/2,000). **Immunofluorescence/Immnunocytochemistry.** **Immunohistochemistry on Paraffin Sections** (10 µg/ml). Heat induced antigen retrieval in pH 6.0 citrate buffer is recommended.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Human UNG (1-313 aa) purified from*E. coli*
Specificity:	The antibody recognizes Human UNG. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	uracil DNA glycosylase
Database Link:	Entrez Gene 7374 Human P13051

View online »

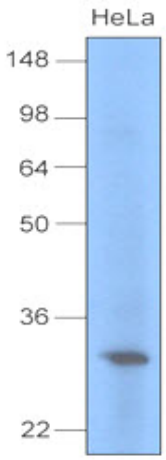
Background: The human UNG gene encodes both mitochondrial (UNG1) and nuclear (UNG2) forms of uracil-DNA glycosylase (UNG). These forms are generated from transcription from alternative promoters, promoter A and promoter B respectively, and the subsequent use of alternative splicing. UNG is responsible for the removal of uracil from DNA by hydrolysis of the N-glycosidic bond that links the base to the deoxyribose backbone, leaving an abasic site. UNG is a highly conserved enzyme found in many species.

Synonyms: UDG, DGU, UNG1, UNG15

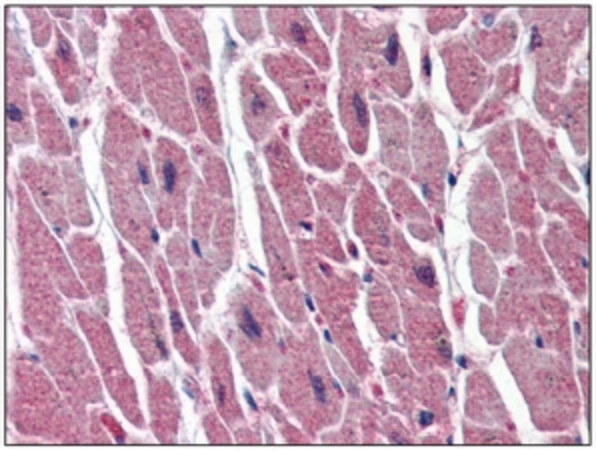
Product images:



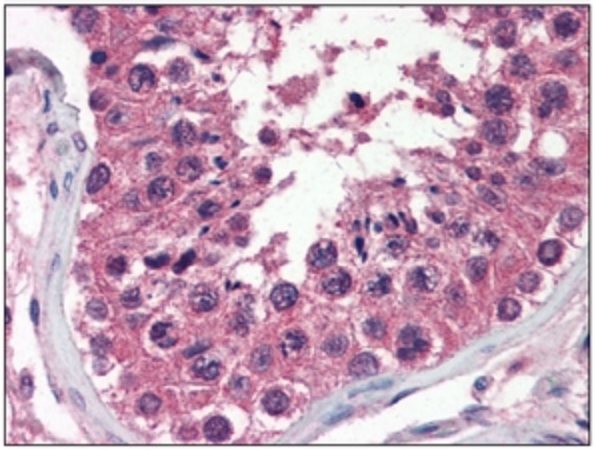
Cell lysates of HeLa (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human UNG (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



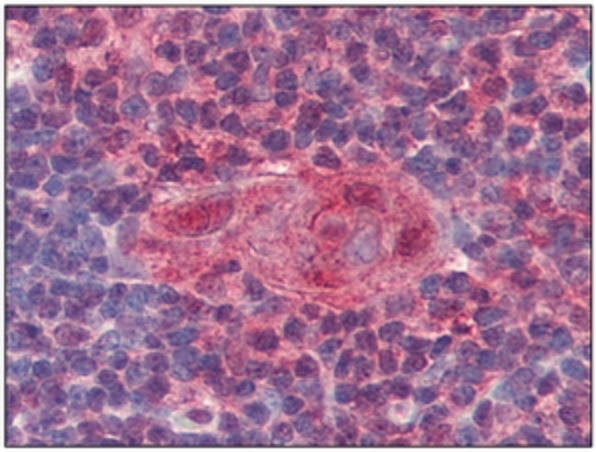
Western blot analysis: Cell lysates of HeLa (30 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human UNG (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunohistochemistry: -N UNG antibody staining of Formalin-Fixed, Paraffin-Embedded Human Heart at 10 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, Alkaline Phosphatase-Streptavidin and chromogen.



Immunohistochemistry: -N UNG antibody staining of Formalin-Fixed, Paraffin-Embedded Human Testis at 10 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, Alkaline Phosphatase-Streptavidin and chromogen.



Immunohistochemistry: -N UNG antibody staining of Formalin-Fixed, Paraffin-Embedded Human Thymus at 10 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, Alkaline Phosphatase-Streptavidin and chromogen.