

UNG Polyclonal Antibody

Catalog number: 12394-1-AP

Size: 28 µg/150 µl

Source: Rabbit

Isotype: IgG

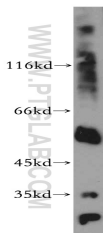
Synonyms:

UNG; DGU, DKFZp781L1143,

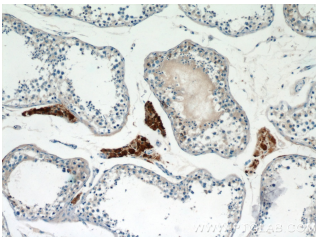
HIGM4, UDG, UNG, UNG1,

UNG15, UNG2, uracil DNA

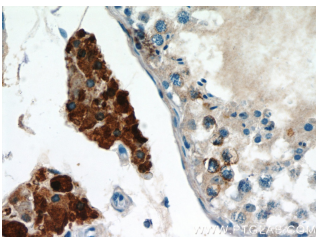
glycosylase



human testis tissue were subjected to SDS PAGE followed by western blot with 12394-1-AP(UNG antibody) at dilution of 1:300



Immunohistochemistry of paraffin-embedded human testis tissue slide using 12394-1-AP(UNG Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human testis tissue slide using 12394-1-AP(UNG Antibody) at dilution of 1:50 (under 40x lens)

Background

UNG(Uracil-DNA glycosylase) removes uracil in DNA resulting from deamination of cytosine or replicative incorporation of dUMP instead of dTMP. Thus, UNG plays a role in suppressing GC-to-AT transition mutations. The UNG gene encodes 2 isoforms that are individually targeted to the mitochondria and the nucleus(PMID:12369930). Defects in UNG are a cause of immunodeficiency with hyper-IgM type 5 (HIGM5).

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated UNG MW:	304aa, 34kd
Observed UNG MW:	28kd, 34-40kd
Positive WB detected in	Human testis tissue
Positive IHC detected in	Human testis tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3072
GenBank accession number:	BC015205
Gene ID (NCBI):	7374
Full name:	Uracil-DNA glycosylase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.