

SMUG1 Polyclonal antibody

Catalog Number: 19857-1-AP

Basic Information

Catalog Number:

19857-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13934

GenBank Accession Number:

BC000417

GeneID (NCBI):

23583

UNIPROT ID:

Q53HV7

Full Name:

single-strand-selective
monofunctional uracil-DNA
glycosylase 1

Calculated MW:

177 aa, 20 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : COLO 320 cells, HEK-293 cells, HeLa cells, K-562 cells

Background Information

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). This antibody is specific to UNG.

Storage

Storage:

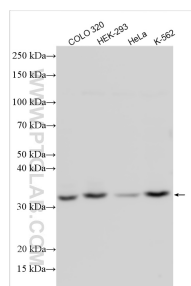
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19857-1-AP (SMUG1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.