

For Research Use Only

SMUG1 Polyclonal antibody

Catalog Number: 19857-1-AP



Basic Information

Catalog Number: 19857-1-AP	GenBank Accession Number: BC000417	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 23583	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: single-strand-selective monofunctional uracil-DNA glycosylase 1	
Isotype: IgG	Calculated MW: 177 aa, 20 kDa	
Immunogen Catalog Number: AG13934	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : COLO 320 cells, HEK-293 cells, HeLa cells, K-562 cells
Species Specificity: human	

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

*** 20ul sizes contain 0.1% BSA

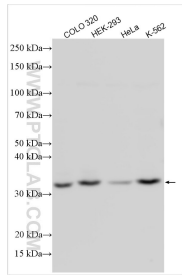
For technical support and original validation data for this product please contact:

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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.