

For Research Use Only

# SMUG1 Polyclonal antibody

Catalog Number: 19857-1-AP



## Basic Information

<b>Catalog Number:</b> 19857-1-AP	<b>GenBank Accession Number:</b> BC000417	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 23583	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q53HV7	
<b>Isotype:</b> IgG	<b>Full Name:</b> single-strand-selective monofunctional uracil-DNA glycosylase 1	
<b>Immunogen Catalog Number:</b> AG13934	<b>Calculated MW:</b> 177 aa, 20 kDa	
	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : COLO 320 cells, HEK-293 cells, HeLa cells, K-562 cells
<b>Species Specificity:</b> 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

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

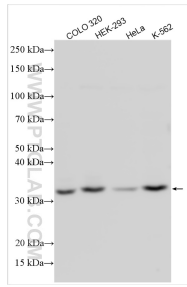
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.