

For Research Use Only

# APOBEC3B Polyclonal antibody

Catalog Number: 14559-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 14559-1-AP	<b>GenBank Accession Number:</b> BC053859	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9582	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UH17	
<b>Isotype:</b> IgG	<b>Full Name:</b> apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B	
<b>Immunogen Catalog Number:</b> AG6115	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells
<b>Cited Applications:</b> WB, IP, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

## Background Information

The DNA cytosine deaminase APOBEC3B was identified recently as a source of DNA damage and mutagenesis in breast, head/neck, cervix, bladder, lung, ovary, and to lesser extents additional cancer types. This enzyme is also an effector protein in the innate immune response to virus infection. APOBEC3B has 3 isoforms produced by alternative splicing with the MW of 46, 29, 43 kDa. It can also exist as a dimer and can interact with APOBEC3G.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hao Zhang	33842328	Front Oncol	IHC
Qiong Fan	33631046	Mol Carcinog	IHC, WB, IP
Xia Yin	31862729	J Med Genet	IHC

## Storage

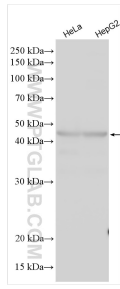
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14559-1-AP (APOBEC3B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.