

## Anti-APOBEC3B Antibody

Catalog Number: A01088

### About APOBEC3B

The Apolipoprotein B mRNA-editing, enzyme-catalytic, polypeptide-like (APOBEC) 3 is a multi-isoform member of the cytosine deaminase family of enzymes that act on monomeric nucleoside and nucleotide substrates (1). Similar to TRIM5 $\alpha$  which targets incoming retroviral capsids, APOBEC3 plays a major role in cellular defense against retroviral infection (2,3). APOBEC3B has also been shown to be upregulated in several cancers; it is thought that APOBEC3B-catalyzed genomic uracil lesions are responsible for a large proportion of mutations in multiple distinct cancers (4).

### Overview

Product Name	Anti-APOBEC3B Antibody
Reactive Species	Human
Description	Boster Bio Anti-APOBEC3B Antibody (Catalog # A01088). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	APOBEC3B Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	APOBEC3B antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9UH17

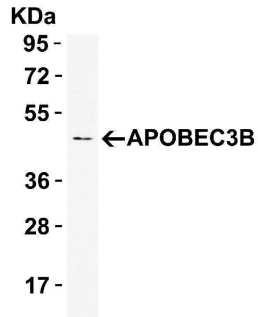
### Technical Details

Immunogen	APOBEC3B antibody was raised against a 14 amino acid peptide near the amino terminus of human APOBEC3B. The immunogen is located within amino acids 20 - 70 of APOBEC3B.
Predicted Reactive Species	Chicken, Horse, Mouse
Cross Reactivity	APOBEC3B antibody is human, mouse and rat reactive. At least three isoforms of APOBEC3B are known to exist; this antibody will detect all three. APOBEC3B antibody may cross-react with APOBEC3D.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	APOBEC3B antibody is affinity chromatography purified via peptide column.

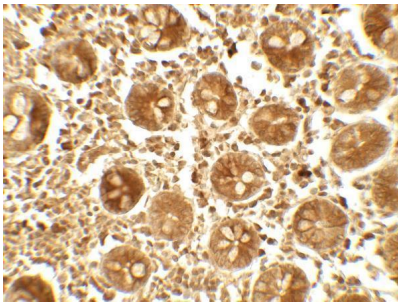
Suggested Dilutions

APOBEC3B antibody can be used for detection of APOBEC3B by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunohistochemistry at 5 ug/mL. For Immunofluorescence start at 20 ug/mL.  
Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

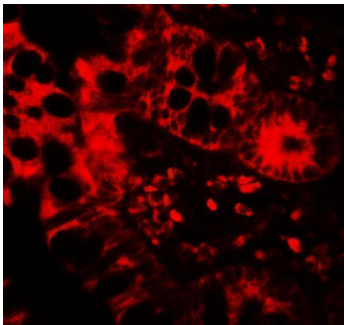
## Anti-APOBEC3B Antibody (A01088) Images



Western blot analysis of APOBEC3B in HepG2 cell lysate with APOBEC3B antibody at 1 ug/ml.



Immunohistochemistry of APOBEC3B in human small intestine tissue with APOBEC3B antibody at 5 ug/mL.



Immunofluorescence of APOBEC3B in human small intestine tissue with APOBEC3B antibody at 20 ug/mL.

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Anti-APOBEC3B Antibody

For Research Use Only. Not for use in diagnostic procedures.