

## Product datasheet for **TA349029**

### **APOBEC3B Rabbit Polyclonal Antibody**

#### **Product data:**

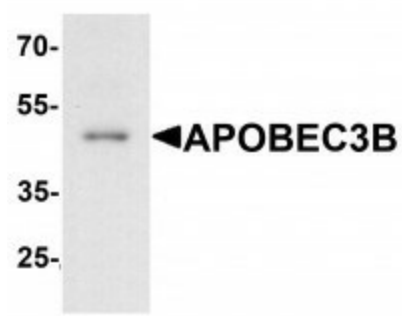
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	APOBEC3B antibody was raised against a 14 amino acid peptide near the amino terminus of human APOBEC3B.
<b>Formulation:</b>	PBS containing 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	APOBEC3B antibody is affinity chromatography purified via peptide column.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	Predicted: 42 kDa; Observed: 48 kDa
<b>Gene Name:</b>	apolipoprotein B mRNA editing enzyme catalytic subunit 3B
<b>Database Link:</b>	<a href="#">NP_004891</a> <a href="#">Entrez Gene 9582 Human</a> <a href="#">Q9UH17</a>
<b>Background:</b>	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).



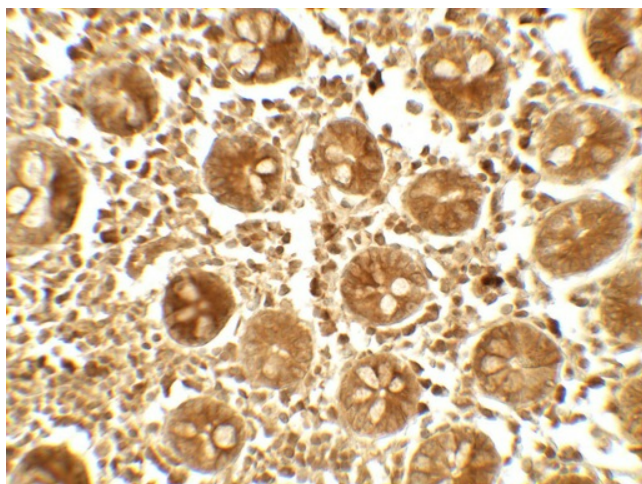
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Synonyms: A3B; APOBEC1L; ARCD3; ARP4; bK150C2.2; DJ742C19.2; PHRBNL

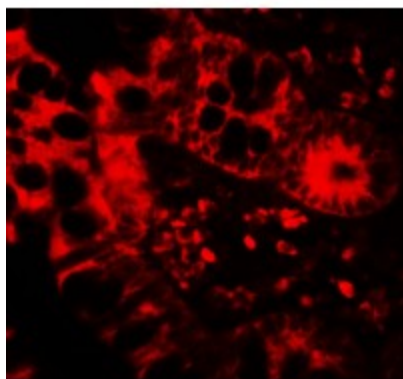
### Product images:



Western blot analysis of APOBEC3B in rat small intestine tissue 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.