

Rabbit anti-Human APOBEC3B Polyclonal Antibody | anti-APOBEC3B antibody

Anti-APOBEC3B Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254790	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

APOBEC3B; Polyclonal Antibody; Anti-APOBEC3B Antibody; Rabbit Polyclonal; APOBEC3B Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-A3B Antibody; Anti-APOBEC1L Antibody; Anti-ARCD3 Antibody; Anti-ARP4 Antibody; Anti-bK150C2.2 Antibody; Anti-CTA-150C2.15-003 Antibody; Anti-DJ742C19.2 Antibody; Anti-PHRBNL Antibody; anti-APOBEC3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human APOBEC3B
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-APOBEC3B antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human APOBEC3B
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human APOBEC3B, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

APOBEC3B was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate; Lane B: 0.5 mg HepG2 Whole Cell Lysate; 4 uL anti-APOBEC3B rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-APOBEC3B rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 46 kDa.



WB (Western Blot)

Anti-APOBEC3B rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate; Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 50 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-APOBEC3B antibody	The APOBEC3 DNA cytosine deaminase family comprises a fundamental arm of the innate immune response and is best known for retrovirus restriction. Several APOBEC3 enzymes restrict HIV-1 and related retroviruses by deaminating viral cDNA cytosines to uracils compromising viral genomes. Human APOBEC3B (A3B) shows strong virus restriction activities in a variety of experimental systems, and is subjected to tight post-translational regulation evidenced by cell-specific HIV-1 restriction activity and active nuclear import. The APOBEC3B (A3B) single-stranded DNA (ssDNA) cytosine deaminase has important roles in innate immunity but is also a major endogenous source of mutations in cancer. APOBEC3 (A3B) protein families, a DNA cytidine deaminase, were up-regulated in multiple tumors. A3B is essential for oncogenesis of HCC, and is a potential target for preventive intervention. A common large deletion in the APOBEC3 cluster (the APOBEC3B deletion) may increase the risk of breast cancer.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	393715117
NCBI GeneID	9582
NCBI Accession #	NP_004891
NCBI GenBank Nucleotide #	NM_004900.4
UniProt Accession #	Q9UHH7; O95618; Q20WL1; Q5IFJ4; Q7Z2N3; Q7Z6D6; Q9UE74; B0QYD2
Molecular Weight	Predicted: 42 kDa Observed: 48 kDa
NCBI Official Full Name	DNA dC->dU-editing enzyme APOBEC-3B isoform a
NCBI Official Synonym Full Names	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B
NCBI Official Symbol	APOBEC3B
NCBI Official Synonym Symbols	A3B; ARP4; ARCD3; PHRBNL; APOBEC1L; bK150C2.2; DJ742C19.2
NCBI Protein Information	DNA dC->dU-editing enzyme APOBEC-3B; phorbolin 2; phorbolin 3; phorbolin-2/3; cytidine deaminase; phorbolin-1-related protein; probable DNA dC->dU-editing enzyme APOBEC-3B; apolipoprotein B mRNA editing enzyme catalytic polypeptide-like 3B
UniProt Protein Name	DNA dC->dU-editing enzyme APOBEC-3B
UniProt Gene Name	APOBEC3B
UniProt Synonym Gene Names	A3B
UniProt Entry Name	ABC3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.