

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

APOBEC3B Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163029	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

APOBEC3B; Polyclonal Antibody; APOBEC3B Rabbit anti-Human Polyclonal Antibody; PathPlus APOBEC3B Antibody; APOBEC1L; ARCD3; BK150C2.2; Cytidine deaminase; DJ742C19.2; Phorbolin 2; Phorbolin-1-related protein; PHRBNL; ARP4; Phorbolin 3; Phorbolin-2/3; anti-APOBEC3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	0.81mg/ml (varies by lot)
Applicable Applications for anti-APOBEC3B antibody	IHC (Immunohistochemistry)
Target	Human APOBEC3B
Immunogen	LP-11154, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

APOBEC3B Antibody-Human Breast Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

APOBEC3B Antibody-Human Prostate Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-APOBEC3B antibody	APOBEC3B antibody is an unconjugated rabbit polyclonal antibody to APOBEC3B from human. Validated for IHC. APOBEC3B is a repair gene and cytidine deaminase involved in somatic hypermutation. The deregulation or dysfunction of APOBEC3B and other members of the APOBEC family has been implicated as a direct source of mutagenesis in breast and other cancers. APOBEC3B is upregulated in a number of breast cancers, and this upregulation correlates with a mutation spectrum (kataegis) in these tumors consistent with APOBEC function and may be a simultaneous or upstream consequence of ERBB2 amplification. APOBEC mutation signatures have also been identified in lung cancer, as well as evidence of APOBEC3B upregulation in lung cancer and a correlation between increased expression and worse prognosis in non-small-cell lung carcinoma (NSCLC), making it an important potential biomarker for the disease. In immunohistochemistry, APOBEC3B has low levels of nuclear positivity in tissues throughout the body, with highest expression in peripheral blood leukocytes and in the spleen, heart, thymus, prostate, ovary, and testes.
References	Genome Biol. 2016; 17: 185, PMID: 27634334; eLife. 2013; 2: e00534, PMID: 23599896; Oncogene. 2018 Jul;37(29):3924-3936, PMID: 29695832; Elife. 2013 Apr 16;2:e00534. doi: 10.7554/eLife.00534, PMID: 23599896; Br J Cancer. 2017 Jun 27; 117(1): 113 -123, PMID: 28535155;

NCBI AND UNIPROT INFORMATION

NCBI GI #	393715117
NCBI GeneID	9582
NCBI Accession #	NP_004891.4
NCBI GenBank Nucleotide #	NM_004900
UniProt Accession #	Q9UH17; O95618; Q20WL1; Q5IFJ4; Q7Z2N3; Q7Z6D6; Q9UE74; B0QYD2
Molecular Weight	43,081 Da
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apobec3b-antibody-immunohistochemistry-elisa/163029>