

Rabbit anti-Human, mouse Apobec1 Polyclonal Antibody | anti-APOBEC1 antibody

Apobec1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283715	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Apobec1; Polyclonal Antibody; Apobec1 Antibody (N-term); C->U-editing enzyme APOBEC-1; 354-; Apolipoprotein B mRNA-editing enzyme 1; HEPR; APOBEC1; anti-APOBEC1 antibody

PRODUCT SPECIFICATIONS

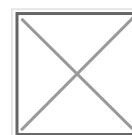
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Apobec1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human Apobec1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	7-36
Sequence Length	236
Applicable Applications for anti-APOBEC1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-Apobec1 Antibody (N-term) in 293 cell line lysates (35ug/lane). Apobec1 (arrow) was detected using the purified Pab.



WB (Western Blot)

The anti-Apobec1 N-term Pab is used in Western blot to detect Apobec in mouse small intestine tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-APOBEC1 antibody	APOBEC1 is involved in the production of apolipoprotein B (apoB)-48 from apoB-100. The gene spans 18 kb and contains five exons, all of which are translated. Alternative splicing produces a variant transcript that lacks exon 2 and encodes a novel 36-amino acid peptide. The exon 2-skipped transcript accounts for approximately 50% of APOBEC1 mRNA in the adult small intestine and up to 90% of APOBEC1 mRNA in the developing gut. Exon 2-skipping may thus be a quantitatively important mechanism for regulating the expression of this gene in the gastrointestinal tract.
References	Blanc, V., et al., J. Biol. Chem. 278(42):41198-41204 (2003). Chester, A., et al., EMBO J. 22(15):3971-3982 (2003). Wedekind, J.E., et al., Trends Genet. 19(4):207-216 (2003). Mukhopadhyay, D., et al., Am. J. Hum. Genet. 70(1):38-50 (2002). Dance, G.S., et al., J. Biol. Chem. 277(15):12703-12709 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	61743957
NCBI GeneID	339
NCBI Accession #	NP_001635.2
NCBI GenBank Nucleotide #	NM_001644.4
UniProt Accession #	P41238; Q9UE64; Q9UM71
Molecular Weight	28192
NCBI Official Full Name	C->U-editing enzyme APOBEC-1 isoform a
NCBI Official Synonym Full Names	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1
NCBI Official Symbol	APOBEC1
NCBI Official Synonym Symbols	BEDP; HEPR; CDAR1; APOBEC-1
NCBI Protein Information	C->U-editing enzyme APOBEC-1
UniProt Protein Name	C->U-editing enzyme APOBEC-1
UniProt Gene Name	APOBEC1
UniProt Entry Name	ABEC1_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.