

APOBEC2 Rabbit pAb

Catalog # AP99335

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y235
Other Accession	Q9Y235
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25703
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human APOBEC2
Epitope Specificity	121-224/224
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the cytidine and deoxycytidylate deaminase family.
SUBUNIT	Homotetramer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	APOBEC2 is a 224 amino acid protein that belongs to the cytidine and deoxycytidylate deaminase family. Expressed exclusively in heart and skeletal muscle, APOBEC2 is thought to be a probable C (cytidine) to U (uridine) editing enzyme. However, unlike other members of the family, such as APOBEC1, which mediates the editing of apolipoprotein (apo) B mRNA, APOBEC2 does not display any detectable apoB mRNA editing activity. Also, APOBEC2 has been shown to have low, but definite, intrinsic cytidine deaminase activity.

Additional Information

Gene ID	10930
Other Names	ARCD1; ARP1; ABEC2_HUMAN; APOBEC2; mRNA(cytosine(6666)) deaminase 2; 3.5.4.36; ABEC2_MOUSE; apolipoprotein B mRNA editing enzyme catalytic subunit 2; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	APOBEC2
Function	Probable C to U editing enzyme whose physiological substrate is not yet known. Does not display detectable apoB mRNA editing. Has a low intrinsic cytidine deaminase activity. May play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation.
Tissue Location	Expressed exclusively in heart and skeletal muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.