



ABC3H Monoclonal Antibody

Catalog No	BYmab-05518
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	APOBEC3H
Protein Name	DNA dC->dU-editing enzyme APOBEC-3H (EC 3.5.4.-) (APOBEC-related protein 10) (ARP-10) (Apolipoprotein B mRNA-editing enzyme catalytic polypeptide-like 3H)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ABC3H Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	22kD
Cell Pathway	Nucleus. Cytoplasm. Cytoplasm, P-body. Haplotype 1 is distributed in both the nucleus and cytoplasm, whereas haplotype 2 is predominantly cytoplasmic.
Tissue Specificity	Expressed in lymphoid organs. Also detected in non-lymphoid tissues including lung, testis, ovary, fetal liver and skin.
Function	cofactor:Zinc.,function:Poorly expressed deaminase that is ineffective at inhibiting retroviral replication. Has DNA deaminase (cytidine deaminase) activity but is not able to mediate G-to-A hypermutation in newly synthesized retroviral DNA.,miscellaneous:APOBEC3H from old world monkeys has retained its antiviral activity, while it is lost in other primates.,miscellaneous:It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22.,similarity:Belongs to the cytidine and deoxycytidylate deaminase family.,tissue specificity:Present at low level in 293T cells. Unstable protein, suggesting that it may be degraded by the proteasome (at protein level). Weakly expressed. Expressed in testis, ovary, fetal liver and skin.,

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Background

This gene encodes a member of the apolipoprotein B mRNA-editing enzyme catalytic polypeptide 3 family of proteins. The encoded protein is a cytidine deaminase that has antiretroviral activity by generating lethal hypermutations in viral genomes. Polymorphisms and alternative splicing in this gene influence its antiretroviral activity and are associated with increased resistance to human immunodeficiency virus type 1 infection in certain populations. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009],

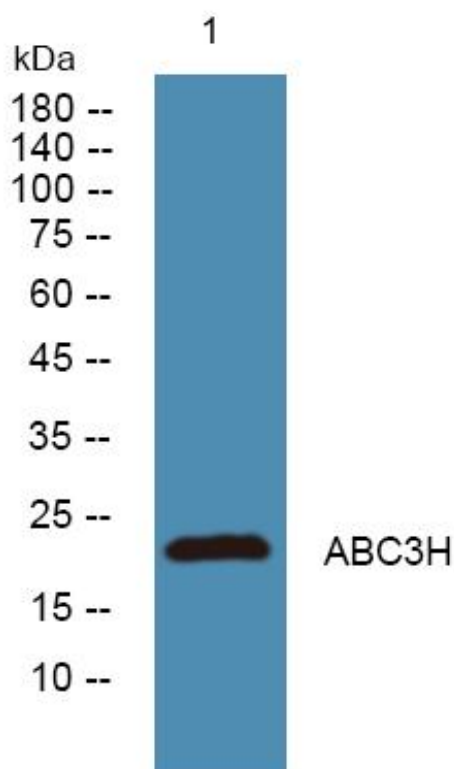
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using ABC3H Monoclonal Antibody