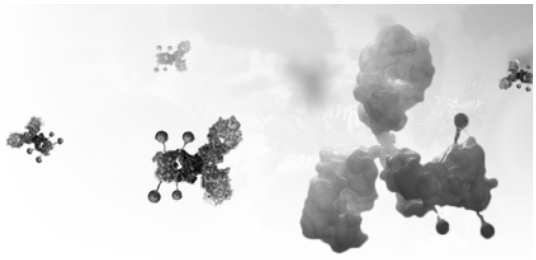

Mouse anti-Human APOBEC3G monoclonal antibody, clone 5B9 (CABT-B9772)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	APOBEC3G (NP_068594, 80 a.a. ~ 182 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5B9
Conjugate	Unconjugated
Applications	IF,sELISA,ELISA
Sequence Similarities	LHRDQEYEVTWYISWSPCTKCTRDMATFLAEDPKVTLTIFVARLYYFWDPDYQEALRSLC QKRDGPRATMKIMNYDEFQHCWSKFVYSQRELFEPWNNLPKY*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22.

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	Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity. [provided by RefSeq, Jul 2008]
Keywords	APOBEC3G; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G; A3G; ARCD; ARP9; ARP-9; CEM15; CEM-15; MDS019; bK150C2.7; dJ494G10.1; DNA dC->dU-editing enzyme APOBEC-3G; deoxycytidine deaminase; APOBEC-related protein 9; DNA dC->dU editing enzyme; phorbolin-like protein MDS019; APOBEC-related cytidine deaminase; apolipoprotein B mRNA editing enzyme cytidine deaminase; apolipoprotein B editing enzyme catalytic polypeptide-like 3G; apolipoprotein B mRNA-editing enzyme catalytic polypeptide 3G;

GENE INFORMATION

Entrez Gene ID	60489
UniProt ID	Q9HC16
Pathway	APOBEC3G mediated resistance to HIV-1 infection, organism-specific biosystem; HIV Infection, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem; Vif-mediated degradation of APOBEC3G, organism-specific biosystem
Function	RNA binding; cytidine deaminase activity; dCTP deaminase activity; hydrolase activity; metal ion binding; protein binding; protein homodimerization activity; zinc ion binding

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