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Datasheet for ABIN6242438 anti-MELK antibody (AA 381-415)

Image



Overview

Quantity:	400 µL
Target:	MELK
Binding Specificity:	AA 381-415
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MELK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

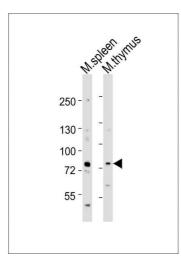
Immunogen:	This Mouse Melk antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 381-415 amino acids from the Central region of Mouse Melk.
Clone:	RB51207
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MELK
Alternative Name:	Melk (MELK Products)
Background:	Serine/threonine-protein kinase involved in various processes such as cell cycle regulation, self-

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	renewal of stem cells, apoptosis and splicing regulation. Has a broad substrate specificity,
	phosphorylates BCL2L14, CDC25B, MAP3K5/ASK1 and ZNF622. Acts as an activator of
	apoptosis by phosphorylating and activating MAP3K5/ASK1. Acts as a regulator of cell cycle,
	notably by mediating phosphorylation of CDC25B, promoting localization of CDC25B to the
	centrosome and the spindle poles during mitosis. Plays a key role in cell proliferation. Required
	for proliferation of embryonic and postnatal multipotent neural progenitors. Phosphorylates
	and inhibits BCL2L14. Also involved in the inhibition of spliceosome assembly during mitosis by
	phosphorylating ZNF622, thereby contributing to its redirection to the nucleus. May also play a
	role in primitive hematopoiesis.
Molecular Weight:	72729
UniProt:	Q61846
Application Details	
Application Notes:	WB: 1:1000
Application Notes: Restrictions:	WB: 1:1000 For Research Use only
Restrictions:	
Restrictions: Handling	For Research Use only
Restrictions: Handling Format:	For Research Use only Liquid
Restrictions: Handling Format: Buffer:	For Research Use only Liquid Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Restrictions: Handling Format: Buffer: Preservative:	For Research Use only Liquid Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. Sodium azide
Restrictions: Handling Format: Buffer: Preservative:	For Research Use only Liquid Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which



Western Blotting

Image 1. All lanes : Anti-Melk Antibody (Center) at 1:1000 dilution Lane 1: mouse spleen lysates Lane 2: mouse thymus lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 73 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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