

Datasheet for ABIN657999

anti-PKMYT1 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	PKMYT1
Binding Specificity:	AA 114-143, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Pkmyt1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 114-143 amino acids from the N-terminal region of mouse Pkmyt1.
Clone:	RB34667
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PKMYT1
Alternative Name:	Pkmyt1 (PKMYT1 Products)
Background:	Pkmyt1 acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins. Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation. May

Target Details

be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. May be a downstream target of Notch signaling pathway during eye development (By similarity).

Molecular Weight: 54053

Gene ID: 268930

NCBI Accession: [NP_075545](#)

UniProt: [Q9ESG9](#)

Pathways: [Mitotic G1-G1/S Phases, M Phase](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

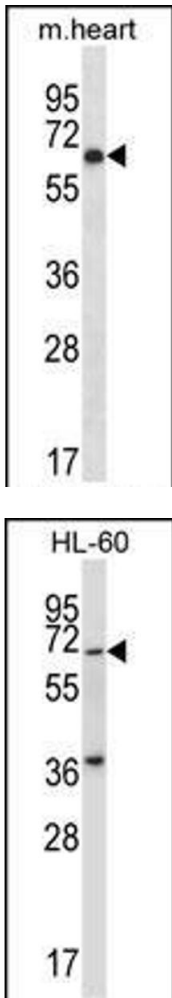
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Mouse Pkmyt1 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of Pkmyt1 (arrow) using rabbit polyclonal Mouse Pkmyt1 Antibody (N-term) (ABIN657999 and ABIN2846944). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Pkmyt1 gene.

Western Blotting

Image 2. Mouse Pkmyt1 Antibody (N-term) (ABIN657999 and ABIN2846944) western blot analysis in HL-60 cell line lysates (35 μ g/lane). This demonstrates the Pkmyt1 antibody detected the Pkmyt1 protein (arrow).