

Datasheet for ABIN754546

anti-PKMYT1 antibody (AA 121-220) (Cy3)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PKMYT1
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKMYT1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PKMYT1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	PKMYT1
Alternative Name:	PKMYT1 (PKMYT1 Products)
Background:	Synonyms: cdc2 inhibitory kinase, Membrane associated tyrosine and threonine specic cdc2

Target Details

inhibitory kinase, Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase, MYT1, Myt1 kinase, PKMYT 1, Pkmyt1, PMYT1_HUMAN, Protein kinase membrane associated tyrosine/threonine 1, Protein kinase Myt1, DKFZp547K1610, FLJ20093.

Background: PKMYT1 is a member of the serine/threonine protein kinase family. It preferentially phosphorylates and inactivates cell division cycle 2 protein (cdc2), and thus acts as a negative regulator of entry into mitosis (G2 to M transition). It mediates phosphorylation of cdc2 predominantly on 'Thr-14' and is also involved in Golgi fragmentation. It may be involved in phosphorylation of cdc2 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. It may be a downstream target of Notch signaling pathway during eye development. PKMYT1 is negatively regulated by hyperphosphorylation during mitosis.

Gene ID: 9088

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

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months