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Datasheet for ABIN754543 **anti-PKMYT1 antibody (AA 121-220)**

Overview

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

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)

Target Details

Background:	<p>Synonyms: cdc2 inhibitory kinase, Membrane associated tyrosine and threonine specic cdc2 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.</p> <p>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.</p>
Gene ID:	9088
Pathways:	Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months