Datasheet for ABIN754552

anti-PKMYT1 antibody (AA 121-220) (HRP)

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Overview

Quantity:	100 µL
Target:	PKMYT1
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKMYT1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, 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)
Background:	Synonyms: cdc2 inhibitory kinase, Membrane associated tyrosine and threonine specic cdc2 inhibitory kinase, Membrane-associated tyrosine- and threonine-specic cdc2-inhibitory kinase,

Target Details

	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:	WB 1:300-5000 IHC-F 1:100-500
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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months