

For Research Use Only

PKMYT1 Polyclonal antibody

Catalog Number: 55098-1-AP **1 Publications**



Basic Information

Catalog Number:

55098-1-AP

Size:

200 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004203

GeneID (NCBI):

9088

UNIPROT ID:

Q99640

Full Name:

protein kinase, membrane associated tyrosine/threonine 1

Calculated MW:

55 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse brain tissue, A375 cells, HeLa cells, HepG2 cells, HL-60 cells, mouse skin tissue

Background Information

Protein kinase, membrane associated tyrosine/threonine (PKMYT1) is a member of the Wee family of protein kinases. PKMYT1 acts as a negative regulator of the cell cycle by inactivating the CDK1-cyclinB complex through phosphorylation of Tyr14/Tyr15 and preventing cell cycle entering into mitosis at the G2/M transition. In mammalian somatic cells, PKMYT1 affects the assembly of the Golgi apparatus and endoplasmic reticulum during telophase of mitosis by inhibiting cyclin activities. Abnormal expression of PKMYT1 is closely associated with multiple types of cancers. PKMYT1 protein was mainly localized in the cytoplasm. (PMID: 31695486, PMID: 32801781)

Notable Publications

Author	Pubmed ID	Journal	Application
Dong Zhou	36965165	Thorac Cancer	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

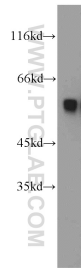
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55098-1-AP (PKMYT1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.