

Mouse PKMYT1 Monoclonal Antibody | anti-PKMYT1 antibody

PKMYT1 antibody

CATALOG #	HOST	APPLICATIONS
AAA106618	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

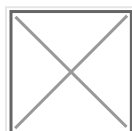
PRODUCT SYNONYMS

PKMYT1; Monoclonal Antibody; PKMYT1 antibody; Monoclonal PKMYT1; Anti-PKMYT1; Protein kinase membrane associated tyrosine/threonine 1; MYT1; Myt1 kinase; DKFZp547K1610; Membrane-associated tyrosine-and threonine-specific cdc2-inhibitory kinase; PKMYT 1; PKMYT-1; anti-PKMYT1 antibody

PRODUCT SPECIFICATIONS

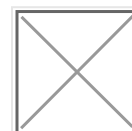
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5 E1
Purity/Purification	PKMYT1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	499
Applicable Applications for anti-PKMYT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	PKMYT1 is a member of the serine/threonine protein kinase family. This kinase preferentially phosphorylates and in activates cell division cycle 2 protein (CDC2), and thus negatively regulates cell cycle G2/Mtransition. This kinase is associated with the membrane throughout the cell cycle. Its activity is highly regulated during the cell cycle. Protein kinases AKT1/PKB and PLK (Polo-like kinase) have been shown to phosphorylate and regulate the activity of this kinase.
Cross-Reactivity	Human
Immunogen	PKMYT1 antibody was raised in mouse using a full length recombinant protein of human PKMYT1 (NP_004194) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PKMYT1 protein using PKMYT1 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of PKMYT1 protein in paraffin embedded Adenocarcinoma of Human breast tissue using PKMYT1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PKMYT1 protein (Right) or empty vector (Left) detected with PKMYT1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PKMYT1 antibody	Mouse monoclonal PKMYT1 antibody
Product Categories/Family for anti-PKMYT1 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	33383241
NCBI GeneID	9088
NCBI Accession #	NP_004194
NCBI GenBank Nucleotide #	NM_004203.4
UniProt Accession #	Q99640 ; O14731 ; Q7LE24 ; Q8TCM9 ; B3KUN8 ; B4DXD4 ; D3DUA4 ; F8W164 ; I3L1V2
Molecular Weight	47,284 Da
NCBI Official Full Name	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase isoform 1
NCBI Official Synonym Full Names	protein kinase, membrane associated tyrosine/threonine 1
NCBI Official Symbol	PKMYT1
NCBI Official Synonym Symbols	MYT1; PPP1R126
NCBI Protein Information	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase
UniProt Protein Name	Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase
UniProt Gene Name	PKMYT1
UniProt Synonym Gene Names	MYT1
UniProt Entry Name	PMYT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pkmyt1-antibody-clone-5-e1-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106618>