

Rabbit anti-Human Membrane-associated tyrosine-and threonine-specific cdc2-inhibitory kinase Polyclonal Antibody | anti-PKMYT1 antibody

Rabbit anti-human Membrane-associated tyrosine-and threonine-specific cdc2-inhibitory kinase polyclonal Antibody

CATALOG # AAA230442	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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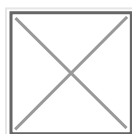
PRODUCT SYNONYMS

Membrane-associated tyrosine-and threonine-specific cdc2-inhibitory kinase; Polyclonal Antibody; Rabbit anti-human Membrane-associated tyrosine-and threonine-specific cdc2-inhibitory kinase polyclonal Antibody; Myt1 kinase; PKMYT1; MYT1; anti-PKMYT1 antibody

PRODUCT SPECIFICATIONS

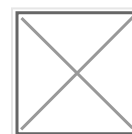
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	430
Applicable Applications for anti-PKMYT1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6353 / sc-6352 / sc-13081
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate tissue using AAA230442 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta tissue using AAA230442 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-PKMYT1 antibody	<p>Acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins. Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation. May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. May be a downstream target of Notch signaling pathway during eye development.</p> <p>This protein is a member of the serine/threonine protein kinase family. This kinase preferentially phosphorylates and inactivates cell division cycle 2 protein (CDC2), and thus negatively regulates cell cycle G2/M transition. 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. Alternatively spliced transcript variants encoding distinct isoforms have been reported.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386642875
NCBI GeneID	9088
NCBI Accession #	NP_001245379.1
NCBI GenBank Nucleotide #	NM_001258450.1
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 3
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/polyclonal/membrane-associated-tyrosine-and-threonine-specific-cdc2-inhibitory-kinase-antibody-immunohistochemistry-elisa/230442>