10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Pkmyt1 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP14078a

Specification

Mouse Pkmyt1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q9ESG9

Mouse Pkmyt1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 268930

Other Names
Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase, Myt1 kinase, Pkmyt1, Myt1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14078a was selected from the N-term region of Mouse Pkmyt1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Pkmyt1 Antibody (N-term) Blocking peptide - Protein Information

Name Pkmyt1

Synonyms Myt1

Function
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.

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q99640}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q99640}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q99640}; Peripheral membrane protein

{ECO:0000250|UniProtKB:Q99640}

Mouse Pkmyt1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Mouse Pkmyt1 Antibody (N-term) Blocking peptide - Images

Mouse Pkmyt1 Antibody (N-term) Blocking peptide - Background

Pkmyt1 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 (By similarity).