

## Myt1-T495 Phospho Peptide

Synthetic Peptide Catalog # SP2064a

## **Specification**

## Myt1-T495 Phospho Peptide - Product Information

Primary Accession

Sequence

Q99640

LLSLFED(pT)LDPTC

## Myt1-T495 Phospho Peptide - Additional Information

## **Gene ID 9088**

### **Other Names**

Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase, Myt1 kinase, PKMYT1, MYT1

#### **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.

# Myt1-T495 Phospho Peptide - Protein Information

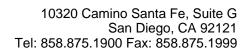
## Name PKMYT1

### **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 (PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9001210" target="\_blank">9001210</a>, PubMed:<a href="http://www.uniprot.org/citations/10504341" target="\_blank">10504341</a>, PubMed:<a href="http://www.uniprot.org/citations/10373560" target="\_blank">10373560</a>). Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation (PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9001210" target="\_blank">9001210</a>, Analy be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect (PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9268380" target="\_blank">926

href="http://www.uniprot.org/citations/9268380" target="\_blank">9268380</a>, PubMed:<a href="http://www.uniprot.org/citations/9001210" target="\_blank">9001210</a>).





**Cellular Location** 

Endoplasmic reticulum membrane; Peripheral membrane protein. Golgi apparatus membrane; Peripheral membrane protein

Myt1-T495 Phospho Peptide - Images