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Myt 1 Polyclonal Antibody
Catalog # AP71141

Specification

Myt 1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q99640
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

Myt 1 Polyclonal Antibody - Additional Information

Gene ID 9088

Other Names
PKMYT1; MYT1; Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase; Myt1 kinase

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Myt 1 Polyclonal Antibody - 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:10373560, PubMed:10504341, PubMed:9001210, PubMed:9268380). Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation (PubMed:9001210, PubMed:9268380). May 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/9001210" target="_blank">9001210, PubMed:9268380).

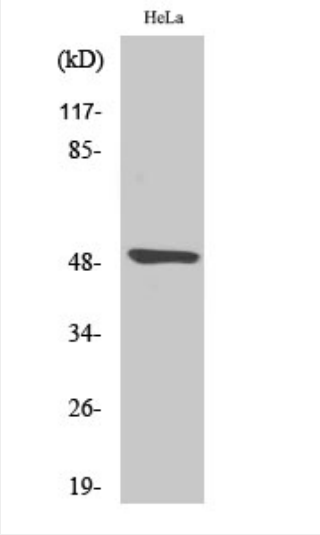
Cellular Location
Endoplasmic reticulum membrane; Peripheral membrane protein. Golgi apparatus membrane; Peripheral membrane protein

Myt 1 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Myt 1 Polyclonal Antibody - Images



Western Blot analysis of various cells using Myt 1 Polyclonal Antibody diluted at 1□2000

Myt 1 Polyclonal Antibody - Background

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.