



Rabbit Anti-Phospho-PKMYT1 (Ser83) antibody

SL3296R

Product Name:	Phospho-PKMYT1 (Ser83)
Chinese Name:	磷酸化蛋白激酶PKMYT1(Ser83)抗体
Alias:	Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase; Myt1 kinase; PMYT1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human PKMYT1 around the phosphorylation site of Ser83:RV(p-S)FR
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a member of a family of neural specific, zinc finger-containing DNA-binding proteins. The protein binds to the promoter regions of proteolipid proteins of the central nervous system and plays a role in the developing nervous system. [provided by RefSeq, Jul 2008]

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. May be a downstream target of Notch signaling pathway during eye development.

Subunit:

Interacts with CDC2-CCNB1 complex. Can also interact with PIN1 when phosphorylated by CDC2-CCNB1.

Subcellular Location:

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

Post-translational modifications:

Autophosphorylated. Phosphorylated by CDC2-CCNB1 complexes on undefined serine and threonine residues. The phosphorylation by CDC2-CCNB1 complexes may inhibit the catalytic activity.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. WEE1 subfamily.

Contains 1 protein kinase domain.

SWISS:

Q99640

Gene ID:

9088

Database links:

[Entrez Gene: 9088Human](#)

[Entrez Gene: 268930Mouse](#)

[Entrez Gene: 287101Rat](#)

[Omim: 602474Human](#)

[SwissProt: Q99640Human](#)

[SwissProt: Q9ESG9Mouse](#)

[Unigene: 77783Human](#)

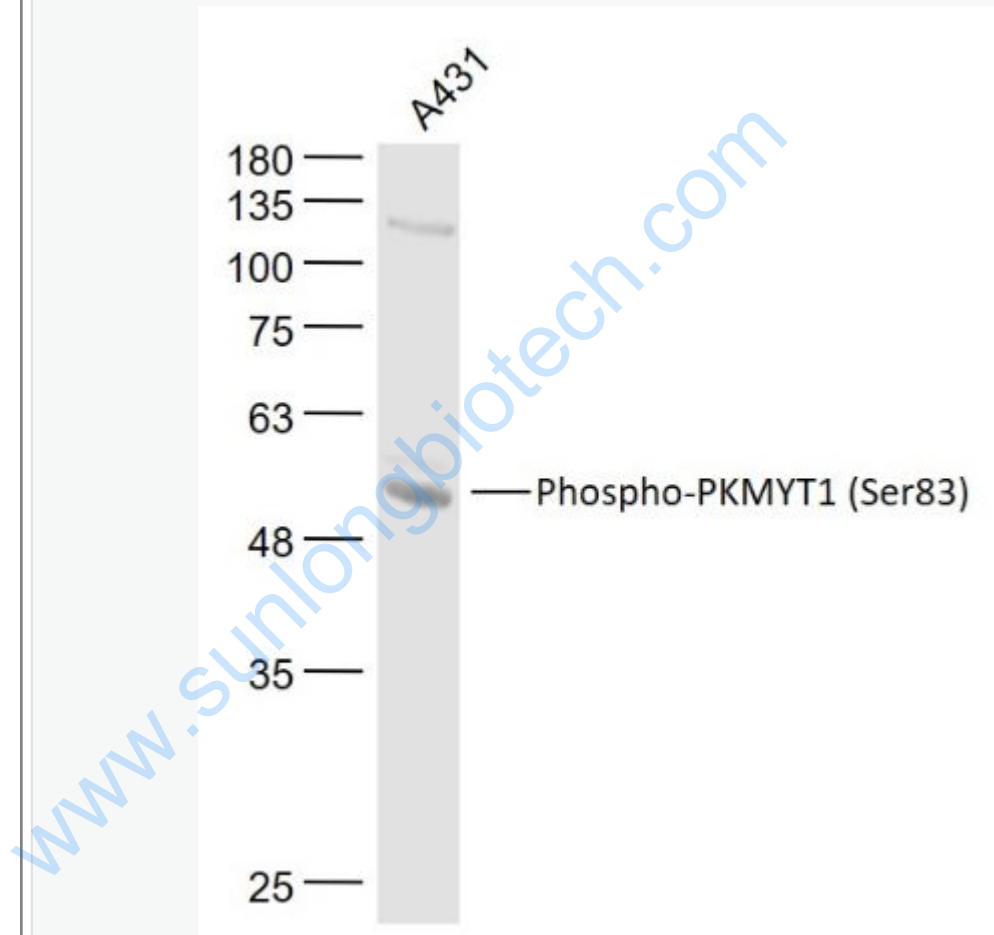
[Unigene: 182193Mouse](#)

[Unigene: 204349RatQ99640](#)

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

A431(Human) Cell Lysate at 30 ug

Primary: Anti-Phospho-PKMYT1 (Ser83) (SL3296R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

	Observed band size: 54 kD
--	---------------------------

www.sunlongbiotech.com