



Rabbit Anti-MARK3 antibody

SL18681R

Product Name:	MARK3
Chinese Name:	磷酸化丝氨酸/苏氨酸蛋白激酶MARK3抗体
Alias:	C-TAK1; Cdc25C associated protein kinase 1; Cdc25C-associated protein kinase 1; CTAK1; ELKL motif kinase 2; EMK-2; Emk2; ETK 1; KIAA4230; KP78; MAP microtubule affinity regulating kinase 3; MAP/microtubule affinity-regulating kinase 3; Mark3; MARK3_HUMAN; Par 1a; PAR1A; Protein kinase STK10; Ser/Thr protein kinase PAR-1; Serine threonine protein kinase p78; Serine/threonine-protein kinase p78; SerThr protein kinase PAR 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	84kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MARK3:651-753/753
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 activated by phosphorylation and in turn is involved in the phosphorylation of tau proteins MAP2 and MAP4. Several transcript

variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Function:

Involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2 and MAP4. Phosphorylates CDC25C on 'Ser-216'. Regulates localization and activity of some histone deacetylases by mediating phosphorylation of HDAC7, promoting subsequent interaction between HDAC7 and 14-3-3 and export from the nucleus.

Tissue Specificity:

Ubiquitous.

Similarity:

Belongs to the protein kinase superfamily.
CAMK Ser/Thr protein kinase family. MARK subfamily.
Contains 1 KA1 (kinase-associated) domain.
Contains 1 protein kinase domain.
Contains 1 UBA domain.

SWISS:

P27448

Gene ID:

4140

Database links:

[Entrez Gene: 4140](#) Human

[Entrez Gene: 17169](#) Mouse

[Entrez Gene: 170577](#) Rat

[Omim: 602678](#) Human

[SwissProt: P27448](#) Human

[SwissProt: Q03141](#) Mouse

[SwissProt: Q8VHF0](#) Rat

[Unigene: 35828](#) Human

[Unigene: 260504](#) Mouse

[Unigene: 408955](#) Mouse

[Unigene: 420865](#) Mouse

[Unigene: 23232](#) Rat

Important Note:

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

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