

Casein Kinase 1 alpha Rabbit mAb
Catalog # AP75189**Specification****Casein Kinase 1 alpha Rabbit mAb - Product Information**

Application	WB, IP
Primary Accession	P48729
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	38915

Casein Kinase 1 alpha Rabbit mAb - Additional Information**Gene ID** 1452**Other Names**
CSNK1A1**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
Liquid**Casein Kinase 1 alpha Rabbit mAb - Protein Information****Name** CSNK1A1**Function**

Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates (PubMed:<[a href="http://www.uniprot.org/citations/11955436" target="_blank">11955436a href="http://www.uniprot.org/citations/1409656" target="_blank">1409656a href="http://www.uniprot.org/citations/18305108" target="_blank">18305108a href="http://www.uniprot.org/citations/23902688" target="_blank">23902688a href="http://www.uniprot.org/citations/11955436" target="_blank">11955436a href="http://www.uniprot.org/citations/1409656" target="_blank">1409656a href="http://www.uniprot.org/citations/18305108" target="_blank">18305108a href="http://www.uniprot.org/citations/23902688" target="_blank">23902688a href="http://www.uniprot.org/citations/11955436" target="_blank">11955436a href="http://www.uniprot.org/citations/11955436" target="_blank">11955436a href="http://www.uniprot.org/citations/1409656" target="_blank">1409656a href="http://www.uniprot.org/citations/1409656" target="_blank">1409656](http://www.uniprot.org/citations/11955436)

[23902688](http://www.uniprot.org/citations/23902688)). Acts as a positive regulator of mTORC1 and mTORC2 signaling in response to nutrients by mediating phosphorylation of DEPTOR inhibitor (PubMed:[22017875](http://www.uniprot.org/citations/22017875), PubMed:[22017877](http://www.uniprot.org/citations/22017877)). Acts as an inhibitor of NLRP3 inflammasome assembly by mediating phosphorylation of NLRP3 (By similarity).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, centromere, kinetochore. Nucleus speckle. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q8BK63}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q8BK63}. Note=Localizes to the centrosome in interphase cells, and to kinetochore fibers during mitosis. Also recruited to the keratin cytoskeleton (PubMed:23902688)

Casein Kinase 1 alpha Rabbit mAb - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Casein Kinase 1 alpha Rabbit mAb - Images

