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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CSNK1E monoclonal antibody (M07), clone 2E1

Catalog # : H00001454-M07

規格 : [100 ug]

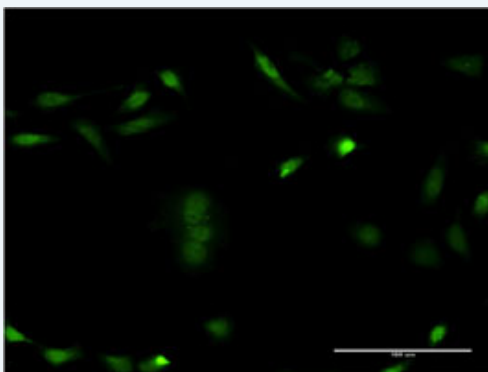
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Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CSNK1E.
Immunogen:	CSNK1E (NP_689407, 2 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	ELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVTKKHPQLHIE SKFYKMMQGGVGIPSIKWCGAEGDYNMVMELLGPSLEDLNFCSRKF
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.
Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	 Download
Datasheet:	 Download

Applications

Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of monoclonal antibody to CSNK1E on HeLa cell . [antibody concentration 10 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)

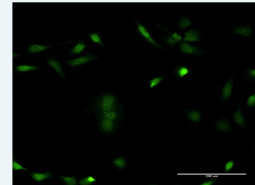
Detection limit for recombinant GST tagged CSNK1E is approximately 10ng/ml as a capture antibody.


 [Protocol Download](#)

ELISA

Application Image

Immunofluorescence

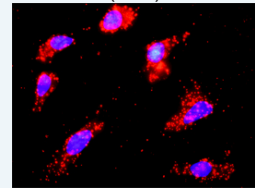



 [enlarge](#)

Sandwich ELISA (Recombinant protein)

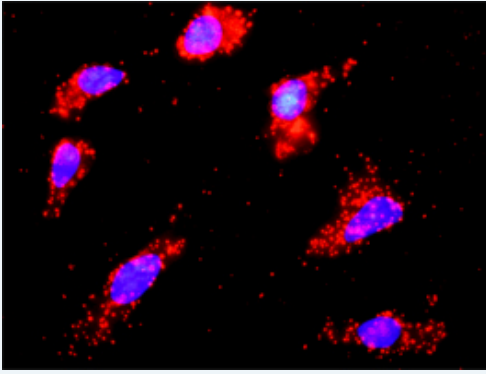
ELISA

In situ Proximity Ligation Assay (Cell)



 [enlarge](#)

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between TP53 and CSNK1E. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-CSNK1E mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [1454](#)

GeneBank Accession#: [NM_152221](#)

Protein Accession#: [NP_689407](#)

Gene Name: CSNK1E

Gene Alias: HCKIE,MGC10398

Gene Description: casein kinase 1, epsilon

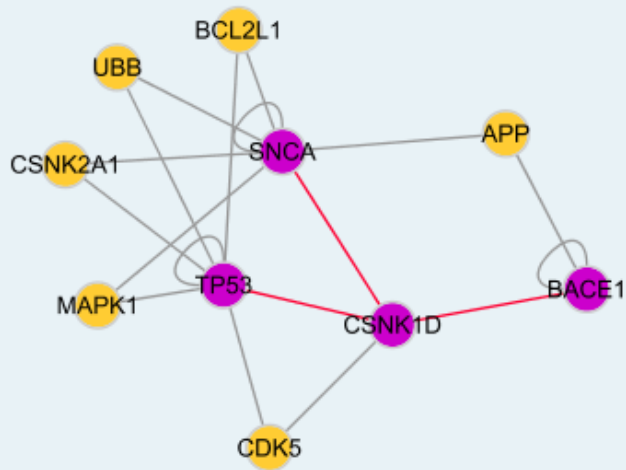
Omim ID: [600863](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations: CKI-epsilon,OTTHUMP00000063258,OTTHUMP00000063263,casein kinase 1 epsilon,casein kinase I epsilon

Interactome



Gene Pathway

[Circadian rhythm - mammal](#) [Hedgehog signaling pathway](#) [Wnt signaling pathway](#)

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