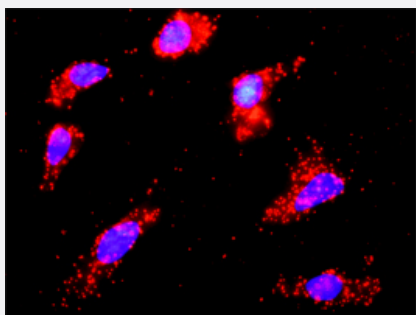


CSNK1E monoclonal antibody (M07), clone 2E1

Catalog # H00001454-M07

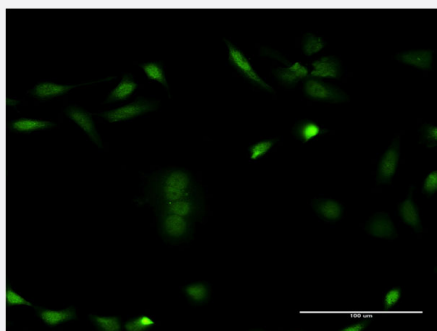
Size 100 ug

Applications



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).



Immunofluorescence

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

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	ELRVGNKYRLGRKIGSGSFGDMLGANIASGEEVAIKLECVKTKHPQLHIESKFYKMMQGGVGIPSIK WCGAEGDYNVMVMELLGPSLEDLFNFCSRKF
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.

Applications

- ELISA

- *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).

- Immunofluorescence

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

Gene Info — CSNK1E

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

Publication Reference

- [Analysis of binding interfaces of the human scaffold protein AXIN1 by peptide microarrays.](#)

Harnoř J, Ryneř J, Vřřková P, Trantřřková SF, Eřner LB, Trantřřek L, Bryja V.

The Journal of Biological Chemistry 2018 Oct; 293(42):16337.

Application: Peptide array, Recombinant protein

Pathway

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

Disease

- [Amphetamine-Related Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronobiology Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Heroin Dependence](#)
- [Mood Disorders](#)
- [NARP](#)
- [Neoplasm Invasiveness](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)