10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18134

Specification

Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1) - Product Information

Application	**IHC-P, IF, E**
Primary Accession	P49674
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a,k**
Calculated MW	**47315**

Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1) - Additional Information

Gene ID 102800317;1454

Alias Symbol	**CSNK1E**

Other Names
CSNK1E, Casein kinase 1 epsilon, Casein kinase i epsilon, CK1 epsilon, CKIE, CKIepsilon, CKI-epsilon, HCKIE, Casein kinase 1, epsilon

Target/Specificity
Human CSNK1E / CK1 Epsilon

Reconstitution & Storage
Protein A purified

Precautions
Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1) - Protein Information

Name CSNK1E

Function
Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates (Probable). Participates in Wnt signaling (PubMed:12556519, PubMed:23413191). Phosphorylates DVL1 (PubMed:12556519). Phosphorylates DVL2 (PubMed:23413191). Phosphorylates NEDD9/HEF1 (By similarity). Central component of the circadian clock (PubMed:16790549). In balance with PP1, determines the circadian period length, through the regulation of the speed and

rhythmicity of PER1 and PER2 phosphorylation (PubMed:15917222, PubMed:16790549). Controls PER1 and PER2 nuclear transport and degradation (By similarity). Inhibits cytokine-induced granuloytic differentiation (PubMed:15070676).

Cellular Location
Cytoplasm. Nucleus.

Tissue Location
Expressed in all tissues examined, including brain, heart, lung, liver, pancreas, kidney, placenta and skeletal muscle Expressed in monocytes and lymphocytes but not in granulocytes

Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CSNK1E / CK1 Epsilon Antibody (clone 2E1) - Images