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

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18134

Product Information

Application	IHC-P, IF, E
Primary Accession	P49674
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Names	2E1
Calculated MW	47315
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.