

KD-Validated Anti-CSNK1E mouse monoclonal antibody

Mouse monoclonal antibody

Catalog # AGI1106

Product Information

Application	WB, FC
Primary Accession	P49674
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	25GB490
Calculated MW	47315
Gene Name	CSNK1E
Aliases	CSNK1E; Casein Kinase 1 Epsilon; CKIepsilon; HCKIE; CKIE; Casein Kinase I Isoform Epsilon; EC 2.7.11.1; Casein Kinase 1, Epsilon; CKI-Epsilon; EC 2.7.11; CKIe
Immunogen	Recombinant protein of human CSNK1E

Additional Information

Gene ID	1454
Other Names	Casein kinase I isoform epsilon, CKI-epsilon, CKIe, 2.7.11.1, CSNK1E

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 granulocytic 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