

产品名称: Casein Kinase Iε Rabbit Polyclonal Antibody
产品货号: APRab07947



产品概述 (Summary)

产品名称 (Production Name)	Casein Kinase Iε Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CSNK1E
别名 (Alternative Names)	CSNK1E; Casein kinase I isoform epsilon; CKI-epsilon; CKIε
基因 ID (Gene ID)	1454.0
蛋白 ID (SwissProt ID)	P49674.The antiserum was produced against synthesized peptide derived from human CKI-epsilon. AA range:276-325

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	47kDa

研究背景 (Background)

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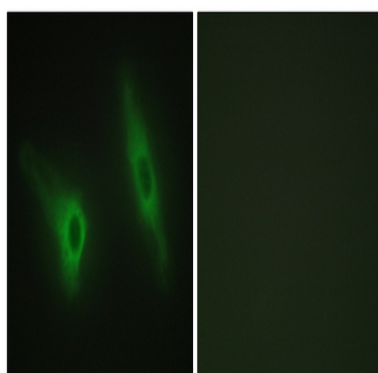


casein kinase 1 epsilon(CSNK1E) Homo sapiens The protein encoded by this gene is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded 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, Feb 2014],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. Can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates DVL1. Central component of the circadian clock. May act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. Retains PER1 in the cytoplasm. Inhibits cytokine-induced granulocytic differentiation.,induction:Down-regulated during granulocytic differentiation.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer. Component of the circadian core oscillator, which includes the CRY proteins, CLOCK, or NPAS2, BMAL1 or BMAL2, CSNK1D and/or CSNK1E, TIMELESS and the PER proteins. Interacts directly with PER1 and PER2 which may lead to their degradation. Interacts with ANKRD6 and SOCS3.,tissue specificity: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.,

研究领域 (Research Area)

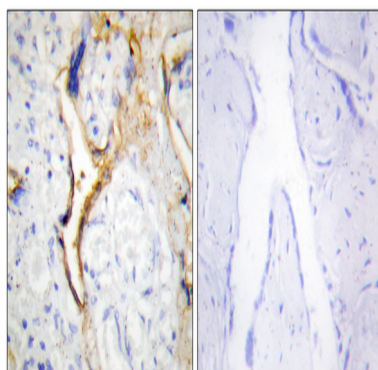
WNT;WNT-T CELLHedgehog;Circadian rhythm;

图片 (Image Data)

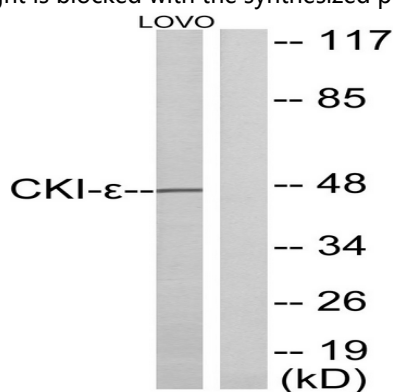


Immunofluorescence analysis of HeLa cells, using CKI-epsilon Antibody. The picture on the right is blocked with the synthesized peptide.

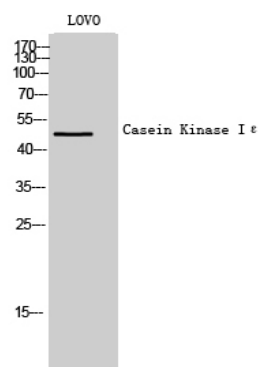
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Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using CKI-epsilon Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using CKI-epsilon Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of LOVO cells using Casein Kinase Iε Polyclonal Antibody

注意事项 (Note)

For research use only .