

产品名称: Cables1 Rabbit Polyclonal Antibody
产品货号: APRab07805



产品概述 (Summary)

产品名称 (Production Name)	Cables1 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)	CABLES1
别名 (Alternative Names)	CABLES1; CABLES; CDK5 and ABL1 enzyme substrate 1; Interactor with CDK3 1; Ik3-1
基因 ID (Gene ID)	91768.0
蛋白 ID (SwissProt ID)	Q8TDN4.The antiserum was produced against synthesized peptide derived from human Ik3-1. AA range:561-610

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)	67kDa

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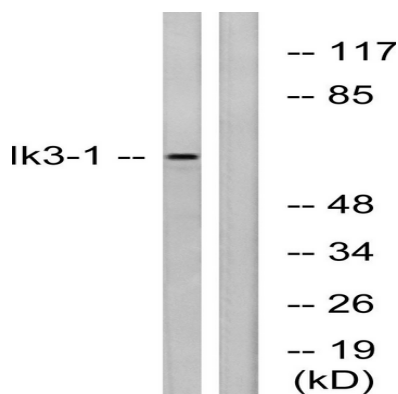


研究背景 (Background)

This gene encodes a protein involved in regulation of the cell cycle through interactions with several cyclin-dependent kinases. One study (PMID: 16177568) reported aberrant splicing of transcripts from this gene which results in removal of the cyclin binding domain only in human cancer cells, and reduction in gene expression was shown in colorectal cancers (PMID: 17982127). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012], developmental stage: Expression in the endometrial epithelium fluctuates during the menstrual cycle, being greater during the secretory phase when compared with the proliferative phase., disease: Defects in CABLES1 are associated with some colon and squamous cancers., function: Cyclin-dependent kinase binding protein. Enhances cyclin-dependent kinase tyrosine phosphorylation by nonreceptor tyrosine kinases, such as that of CDK5 by activated ABL1, which leads to increased CDK5 activity and is critical for neuronal development, and that of CDK2 by WEE1, which leads to decreased CDK2 activity and growth inhibition. Positively affects neuronal outgrowth. Plays a role as a regulator for p53/p73-induced cell death., induction: Up-regulated by progesterone and down-regulated by estrogen in benign endometrium., PTM: Phosphorylated on Ser-313 by CCNE1/CDK3. Phosphorylated on serine/threonine residues by CDK5 and on tyrosine residues by ABL1. Also phosphorylated in vitro by CCNA1/CDK2, CCNE1/CDK2, CCNA1/CDK3 and CCNE1/CDK3., similarity: Belongs to the cyclin family., subcellular location: Located in the cell body and proximal region of the developing axonal shaft of immature neurons. Located in axonal growth cone, but not in the distal part of the axon shaft or in dendritic growth cone of mature neurons., subunit: Found in a complex with p53/TP53. Found in a number of complexes with CDK2, CDK3, CDK5, ABL1, TDRD7, PCTK2, CCNA1, CCNE1 and TP73. Interacts with CDK2, CDK3, CDK5, ABL1 and TDRD7., tissue specificity: Expressed in breast, pancreas, colon, head and neck (at protein level). Strongly decreased in more than half of cases of atypical endometrial hyperplasia and in more than 90% of endometrial cancers.,

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from LOVO cells, using Ik3-1 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cables1 Polyclonal Antibody diluted at 1:500

注意事项 (Note)

For research use only .