

产品名称: Citron Rabbit Polyclonal Antibody
产品货号: APRab08832



产品概述 (Summary)

产品名称 (Production Name)	Citron Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	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)	CIT
别名 (Alternative Names)	CIT; CRIK; KIAA0949; STK21; Citron Rho-interacting kinase; CRIK; Serine/threonine-protein kinase 21
基因 ID (Gene ID)	11113.0
蛋白 ID (SwissProt ID)	O14578. The antiserum was produced against synthesized peptide derived from human CTRO. AA range: 1011-1060

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	

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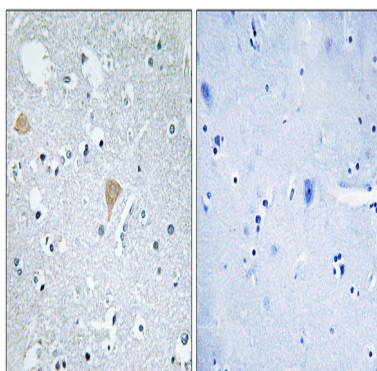


研究背景 (Background)

This gene encodes a serine/threonine-protein kinase that functions in cell division. Together with the kinesin KIF14, this protein localizes to the central spindle and midbody, and functions to promote efficient cytokinesis. This protein is involved in central nervous system development. Polymorphisms in this gene are associated with bipolar disorder and risk for schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011], catalytic activity: ATP + a protein = ADP + a phosphoprotein., function: Required for KIF14 localization to the central spindle and midbody. May play a role in cytokinesis. Putative RHO/RAC effector that binds to the GTP-bound forms of RHO and RAC1. It probably binds p21 with a tighter specificity in vivo. Dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and tyrosine residues. Plays an important role in the regulation of cytokinesis and the development of the central nervous system., similarity: Belongs to the protein kinase superfamily., similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 1 CNH domain., similarity: Contains 1 PH domain., similarity: Contains 1 phorbol-ester/DAG-type zinc finger., similarity: Contains 1 protein kinase domain., subunit: Directly interacts with KIF14 depending on the activation state (stronger interaction with the kinase-dead form). Homodimer.,

研究领域 (Research Area)

图片 (Image Data)



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

注意事项 (Note)

For research use only .