

产品名称: Rhotekin Rabbit Polyclonal Antibody
产品货号: APRab17137



产品概述 (Summary)

产品名称 (Production Name)	Rhotekin 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, Rat

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)	RTKN
别名 (Alternative Names)	RTKN; RTKN1; Rhotekin
基因 ID (Gene ID)	6242.0
蛋白 ID (SwissProt ID)	Q9BST9. Synthesized peptide derived from Rhotekin . at AA range: 80-160

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

研究背景 (Background)

This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the

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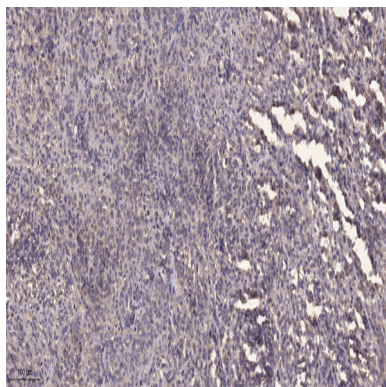


GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Mediates Rho signaling to activate NF-kappa-B and may confer increased resistance to apoptosis to cells in gastric tumorigenesis. May play a novel role in the organization of septin structures.,similarity:Contains 1 PH domain.,similarity:Contains 1 REM (Hr1) repeat.,subunit:Interacts via its C-terminal region with the TAX1BP3 PDZ domain. This interaction facilitates Rho-mediated activation of the c-Fos serum response element (SRE). Interacts with SEPT9. Specifically binds to GTP-bound RHOA, RHOB and RHOC and inhibits their GTPase activity.,tissue specificity:Highly expressed in prostate, moderately in kidney, heart, brain, spleen, testis, placenta, small intestine, pancreas, skeletal muscle and peripheral blood leukocytes, and weakly in ovary, colon and thymus. Weakly expressed in all normal cell lines tested. Overexpressed in various cancer cell lines.,

研究领域 (Research Area)

Signal Transduction; Signaling Pathway; G Protein Signaling; Small G Proteins; Ras Family

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200 (4° overnight) .
2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

注意事项 (Note)

For research use only .