

产品名称: PARD3A Rabbit Polyclonal Antibody

产品货号: APRab15753

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse,Rat
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(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 (Purification)	Affinity purification

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
分子量(Molecular Weight)	151kDa

抗原信息(Antigen Information)

基因名(Gene Name)	PARD3
别名(Alternative Names)	PARD3; PAR3; PAR3A; Partitioning defective 3 homolog; PAR-3; PARD-3; Atypical PKC isotype-specific-interacting protein; ASIP; CTCL tumor antigen se2-5; PAR3-alpha
基因 ID(Gene ID)	56288.0
SwissProt ID	Q8TEW0
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human PARD3. AA range:1141-1190

研究背景 (Background)

This gene encodes a member of the PARD protein family. PARD family members interact with other PARD family members and

other proteins; they affect asymmetrical cell division and direct polarized cell growth. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2011],alternative products:Additional isoforms seem to exist. As a matter of fact, alternatively spliced products seem to fall into two broad groups: one group, which includes the longest continuous ORF but which may also include molecules lacking some middle domains, has a single TM element and is likely to be associated with the plasma membrane. The other group lacks a TM domain and thus its members may be secreted,disease:Defects in PKHD1 are the cause of polycystic kidney disease autosomal recessive (ARPKD) [MIM:263200]. ARPKD is a severe form of polycystic kidney disease affecting the kidneys and the hepatic biliary tract. The clinical spectrum is widely variable, with most cases presenting during infancy. The fetal phenotypic features classically include enlarged and echogenic kidneys, as well as oligohydramnios secondary to a poor urine output. Up to 50% of the affected neonates die shortly after birth, as a result of severe pulmonary hypoplasia and secondary respiratory insufficiency. In the subset that survives the perinatal period, morbidity and mortality are mainly related to severe systemic hypertension, renal insufficiency, and portal hypertension due to portal-tract fibrosis.,domain:Contains a conserved N-terminal oligomerization domain (NTD) that is involved in oligomerization and is essential for proper subapical membrane localization.,function:Adapter protein involved in asymmetrical cell division and cell polarization processes. Seems to play a central role in the formation of epithelial tight junctions. Association with PARD6B may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins.,function:May be a receptor protein that acts in collecting-duct and biliary differentiation.,miscellaneous:Antibodies against PARD3 are present in sera from patients with cutaneous T-cell lymphomas.,PTM:Phosphorylated by PRKCZ. EGF-induced Tyr-1127 phosphorylation mediates dissociation from LIMK2.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the PAR3 family.,similarity:Contains 12 IPT/TIG domains.,similarity:Contains 3 PDZ (DHR) domains.,similarity:Contains 9 PbH1 repeats.,subcellular location:Localized along the cell-cell contact region. Colocalizes with PARD6A and PRKCI at epithelial tight junctions. Colocalizes with the cortical actin that overlays the meiotic spindle during metaphase I and metaphase II.,subunit:Interacts with PARD6A and PARD6B. Isoform 2, but not at least isoform 3 interacts with PRKCZ. Interacts with PRCKI (By similarity). Part of a complex with PARD6A or PARD6B, PRKCI or PRKCZ and CDC42 or RAC1. Interacts with F11R/JAM1 (By similarity). Component of a complex whose core is composed of ARHGAP17, AMOT, MPP5/PALS1, INADL/PATJ and PARD3/PAR3. Interacts with LIMK2.,tissue specificity:Predominantly expressed in fetal and adult kidney. Also present in the adult pancreas, but at much lower levels. Detectable in fetal and adult liver. Rather indistinct signal in fetal brain.,tissue specificity:Widely expressed.,

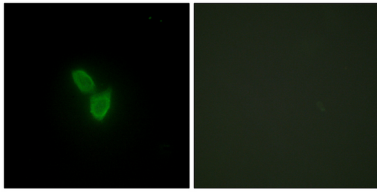
研究领域 (Research Area)

Chemokine;Neuroactive ligand-receptor interaction;Endocytosis;Adherens_Junction;Adherens_Junction;

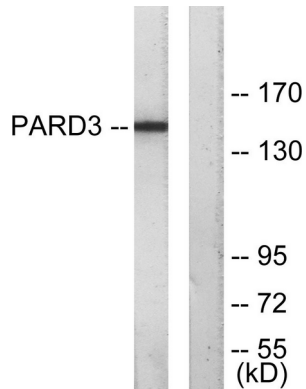
注意事项 (Note)

For research use only.

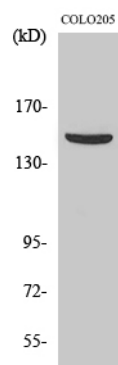
图片 (Image Data)



Immunofluorescence analysis of HepG2 cells, using PARD3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 cells, using PARD3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using PARD3A Polyclonal Antibody

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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