

产品名称: Palladin Rabbit Polyclonal Antibody
产品货号: AP Rab15718



产品概述 (Summary)

产品名称 (Production Name)	Palladin 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)	PALLD
别名 (Alternative Names)	PALLD; KIAA0992; CGI-151; Palladin; SIH002; Sarcoma antigen NY-SAR-77
基因 ID (Gene ID)	23022.0
蛋白 ID (SwissProt ID)	Q8WX93. Synthesized peptide derived from Palladin . at AA range: 450-530

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)	150kDa

研究背景 (Background)

This gene encodes a cytoskeletal protein that is required for organizing the actin cytoskeleton. The protein is a component

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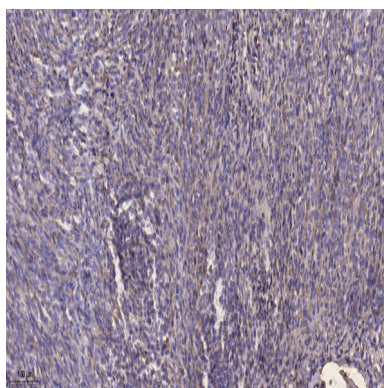
of actin-containing microfilaments, and it is involved in the control of cell shape, adhesion, and contraction. Polymorphisms in this gene are associated with a susceptibility to pancreatic cancer type 1, and also with a risk for myocardial infarction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009],caution:Was wrongly assigned as myoneurin (Ref.2),disease:Genetic variations in PALLD are associated with susceptibility to pancreatic cancer type 1 (PNCA1) [MIM:606856]. Expression is increased early in the development of pancreatic cancer: in normal-appearing whole tissue immediately adjacent to cancer, in the pre-cancer, and in both the familial and sporadic forms of the cancer.,disease:Genetic variations in PALLD may be associated with myocardial infarction.,function:Cytoskeletal protein required for organization of normal actin cytoskeleton. Roles in establishing cell morphology, motility, cell adhesion and cell-extracellular matrix interactions in a variety of cell types. May function as a scaffolding molecule with the potential to influence both actin polymerization and the assembly of existing actin filaments into higher-order arrays. Binds to proteins that bind to either monomeric or filamentous actin. Localizes at sites where active actin remodeling takes place, such as lamellipodia and membrane ruffles. Different isoforms may have functional differences. Involved in the control of morphological and cytoskeletal changes associated with dendritic cell maturation. Involved in targeting ACTN to specific subcellular foci.,induction:Isoform 3 is expressed de novo and isoform 4 is up-regulated by TGF β 1 during myofibroblast differentiation.,miscellaneous:Protein is overexpressed in FA6, HPAF, IMIMPC2, SUIT2 and PATU2 sporadic pancreatic cancer cell lines.,PTM:Phosphorylated predominantly on serines and, to a lesser extent, on tyrosines (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the myotilin/palladin family.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Localizes to stress fibers and Z-disks. Cell junction, focal adhesion. Cell projection, ruffle. Cell projection, lamellipodium.,subunit:Interacts with EPS8, LASP1 and VASP (By similarity). Interacts with ACTN, ARGBP2, LPP, PFN1, SPIN90, SRC and EZR.,tissue specificity:Detected in both muscle and non-muscle tissues. High expression in prostate, ovary, colon, and kidney. Not detected in spleen, skeletal muscle, lung and peripheral blood lymphocytes (at protein level).

研究领域 (Research Area)

Tags & Cell Markers; Subcellular Markers; Cytoskeleton; Actin; Signal Transduction; Cytoskeleton / ECM; Microfilaments; Actin etc; Actin Crosslinking; Actin Binding Proteins; Actin Assembly

图片 (Image Data)

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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 .