

产品名称: Girdin (phospho Ser1417) Rabbit Polyclonal Antibody
产品货号: APRab04731



产品概述 (Summary)

产品名称 (Production Name)	Girdin (phospho Ser1417) 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)	Phosphorylated
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)	CCDC88A
别名 (Alternative Names)	CCDC88A; APE; GRDN; KIAA1212; Girdin; Akt phosphorylation enhancer; APE; Coiled-coil domain-containing protein 88A; G alpha-interacting vesicle-associated protein; GIV; Girders of actin filament; Hook-related protein 1; HkRP1
基因 ID (Gene ID)	55704.0
蛋白 ID (SwissProt ID)	Q3V6T2. The antiserum was produced against synthesized peptide derived from human Girdin around the phosphorylation site of Ser1417. AA range: 1383-1432

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稀释比 (Dilution Ratio)

IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000

蛋白分子量 (Molecular Weight)

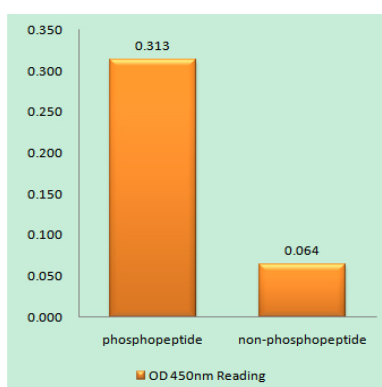
研究背景 (Background)

This gene encodes a member of the Girdin family of coiled-coil domain containing proteins. The encoded protein is an actin-binding protein that is activated by the serine/threonine kinase Akt and plays a role in cytoskeleton remodeling and cell migration. The encoded protein also enhances Akt signaling by mediating phosphoinositide 3-kinase (PI3K)-dependent activation of Akt by growth factor receptor tyrosine kinases and G protein-coupled receptors. Increased expression of this gene and phosphorylation of the encoded protein may play a role in cancer metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011], function: Enhances phosphoinositide 3-kinase (PI3K)-dependent phosphorylation and kinase activity of AKT1/PKB, but does not possess kinase activity itself. Phosphorylation of AKT1/PKB thereby induces the phosphorylation of downstream effectors GSK3 and FOXO1/FKHR, and regulates DNA replication and cell proliferation (By similarity). Essential for the integrity of the actin cytoskeleton and for cell migration. Required for formation of actin stress fibers and lamellipodia. May be involved in membrane sorting in the early endosome., PTM: Phosphorylation is induced by epidermal growth factor (EGF) in a phosphoinositide 3-kinase (PI3K)-dependent manner. Phosphorylation by AKT1/PKB is necessary for the delocalization from the cell membrane and for cell migration., sequence caution: Intron retention at the C-terminus., similarity: Belongs to the CCDC88 family., subcellular location: Localizes to the cell membrane through interaction with phosphoinositides., subunit: Homodimer. The non-phosphorylated form interacts with phosphatidylinositol 4-phosphate [PI(4)P] and weakly with phosphatidylinositol 3-phosphate [PI(3)P]. Interacts with microtubules. Interacts with actin through its C-terminal domain. Interacts with the C-terminus of AKT1/PKB., tissue specificity: Expressed ubiquitously.,

研究领域 (Research Area)

Neuroscience

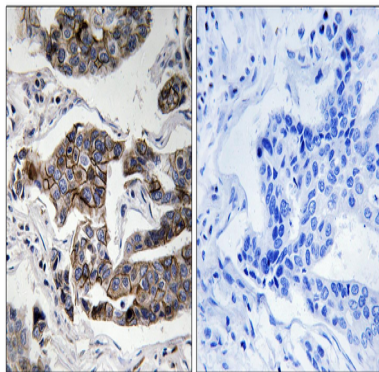
图片 (Image Data)



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Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using Girdin (Phospho-Ser1417) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Girdin (Phospho-Ser1417) Antibody. The picture on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .