ELK Biotechnology

Girdin (phospho Ser1417) rabbit pAb

Cat No.:ES6748

For research use only

Overview

Product Name	Girdin (phospho Ser1417) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Girdin around the phosphorylation site of Ser1417. AA range:1383-1432
Specificity	Phospho-Girdin (S1417) Polyclonal Antibody detects endogenous levels of Girdin protein only when phosphorylated at S1417.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Girdin
Gene Name	CCDC88A
Cellular localization	Cell membrane ; Peripheral membrane protein . Cytoplasm, cytosol . Cytoplasmic vesicle . Cell projection, lamellipodium . Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Localize
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	55704
Human Swiss-Prot Number	Q3V6T2
Alternative Names	CCDC88A; APE; GRDN; KIAA1212; Girdin; Akt

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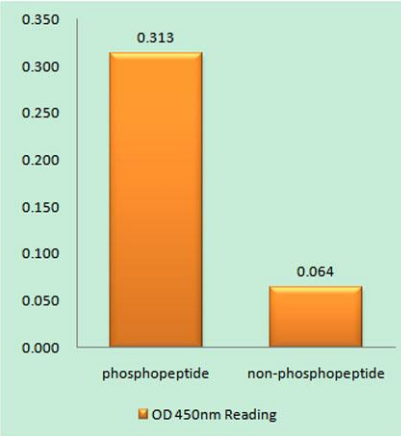
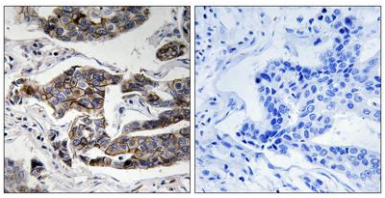
phosphorylation enhancer; APE; Coiled-coil domain-containing protein 88A; G alpha-interacting vesicle-associated protein; GIV; Girders of actin filament; Hook-related protein 1; HkRP1

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],



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.

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