

产品名称: Akt2 (phospho Ser474) Rabbit Polyclonal Antibody
产品货号: APRab04219



产品概述 (Summary)

产品名称 (Production Name)	Akt2 (phospho Ser474) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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)	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)	AKT2
别名 (Alternative Names)	AKT2; RAC-beta serine/threonine-protein kinase; Protein kinase Akt-2; Protein kinase B beta; PKB beta; RAC-PK-beta
基因 ID (Gene ID)	208.0
蛋白 ID (SwissProt ID)	P31751.The antiserum was produced against synthesized peptide derived from human Akt2 around the phosphorylation site of Ser474. AA range:432-481

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 56kDa

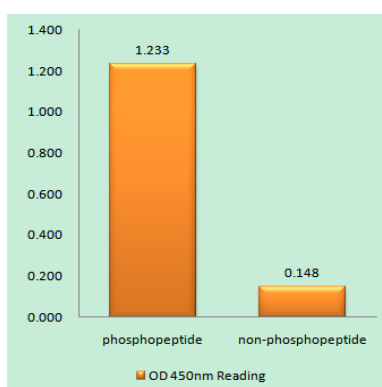
研究背景 (Background)

This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins. [provided by RefSeq, Jul 2008], catalytic activity: ATP + a protein = ADP + a phosphoprotein., disease: Alterations of AKT2 may contribute to the pathogenesis of ovarian carcinomas., enzyme regulation: Two specific sites, one in the kinase domain (Thr-309) and the other in the C-terminal regulatory region (Ser-474), need to be phosphorylated for its full activation., function: General protein kinase capable of phosphorylating several known proteins., similarity: Belongs to the protein kinase superfamily., similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. RAC subfamily., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 1 PH domain., similarity: Contains 1 protein kinase domain., subunit: Interacts (via PH domain) with MTCP1, TCL1A AND TCL1B., tissue specificity: In all human cell types so far analyzed.,

研究领域 (Research Area)

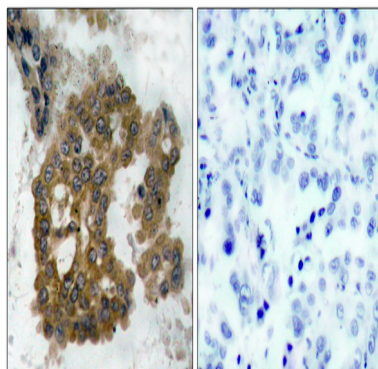
Regulation_Microtubule; Stem cell pathway; T_Cell_Receptor; Regulates Angiogenesis; Insulin Receptor; Toll_Like; ErbB/HER; AMPK; MAPK_ERK_Growth; MAPK_G_Protein; B_Cell_Antigen; Adherens_Junction; PI3K/Akt; mTOR

图片 (Image Data)



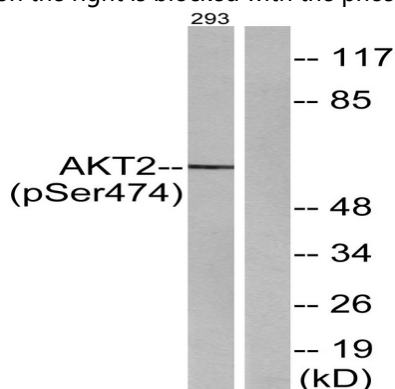
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Akt2 (Phospho-Ser474) Antibody

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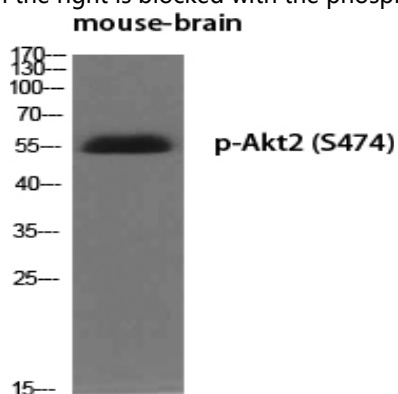
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Akt2 (Phospho-Ser474) Antibody.

The picture on the right is blocked with the phospho peptide.



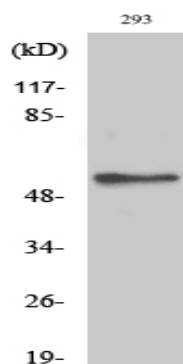
Western blot analysis of lysates from 293 cells treated with EGF 200ng/ml 30 min, using Akt2 (Phospho-Ser474) Antibody.

The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-Akt2 (S474) Polyclonal Antibody diluted at 1: 500

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Western Blot analysis of 293 cells using Phospho-Akt2 (S474) Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .