10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-AKT2(S474) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3337a

Product Information

Application	WB, DB, E
Primary Accession	P31751
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB11384

Additional Information

Other Names	RAC-beta serine/threonine-protein kinase, Protein kinase Akt-2, Protein kinase B beta, PKB beta, RAC-PK-beta, AKT2
Target/Specificity	This Phospho-AKT2-S474 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S474 of human AKT2.
Dilution	WB~~1:1000 DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-AKT2(S474) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

AKT2 is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. Furthermore, AKT2 was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression of AKT2 contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. AKT2 is a general protein kinase capable of phophorylating several known proteins.

References

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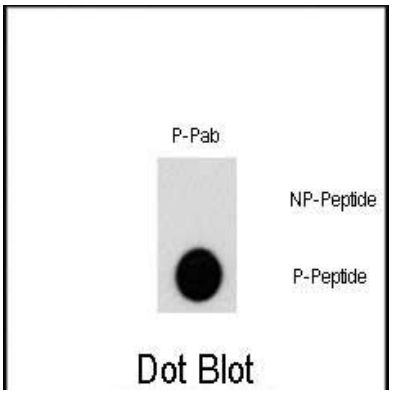
Xu, X., et al., Oncol. Rep. 11(1):25-32 (2004).
Shim, D., et al., Arch. Biochem. Biophys. 425(2):214-220 (2004).
Li, X., et al., Gastroenterology 126(1):122-135 (2004).
Vojtek, A.B., et al., Mol. Cell. Biol. 23(13):4417-4427 (2003).

Images



Dot blot analysis of Phospho-AKT2-S474 polyclonal antibody (Cat# AP3337a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentration was 0.5ug per ml. P-Pab: phospho-antibody; P-Peptide: phospho-peptide; NP-Peptide: non-phospho-peptide.