

Anti-AKT2 (phospho-S474) Antibody

Catalog Number: A00725S474

About AKT2

Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.

Ana V. Miletic, J. Biol. Chem., Dec 2006; 281: 38257 - 38265.

Christopher C. Stebbins, Mol. Cell. Biol., Sep 2003; 23: 6291 - 6299.

Vered Schapira, Cancer Res., Jun 2006; 66: 6183 - 6191.

Maya Groysman, J. Biol. Chem., Dec 2002; 277: 50121 - 50130.

Overview

Product Name	Anti-AKT2 (phospho-S474) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-AKT2 (phospho-S474) Antibody catalog # A00725S474. Tested in WB,IHC applications. This antibody reacts with Human,Mouse,Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P31751

Technical Details

Immunogen	Synthesized peptide derived from human BLM around the phosphorylation site of T99.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-

	specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000 IHC: 1:50-1:200

Anti-AKT2 (phospho-S474) Antibody (A00725S474) Images

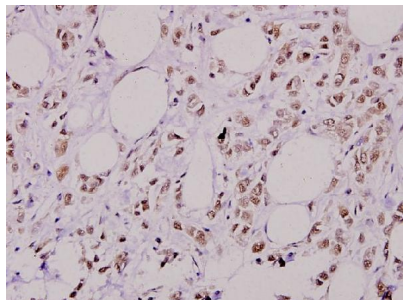


Figure 2. Immunohistochemistry validation of AKT2 using Anti-AKT2 (phospho-S474) Antibody (A00725S474).

Immunohistochemistry (IHC) analyzes of p-AKT2 (S474) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

For more protocol information of IHC

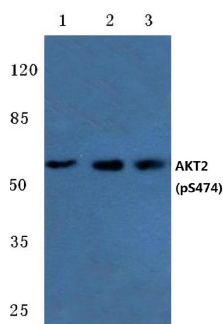


Figure 1. Western blotting validation for Anti-AKT2 (phospho-S474) Antibody A00725S474

Western blot (WB) analysis of p-AKT2(S474) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:HEK293T treated with EGF(100ng/ml)

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