

Anti-Phospho-AKT1 (S124) Rabbit Monoclonal Antibody

Catalog Number: P00024-4

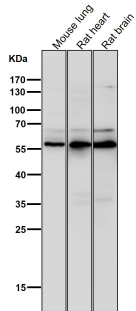
Overview

Product Name	Anti-Phospho-AKT1 (S124) Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-AKT1 (S124) Rabbit Monoclonal Antibody catalog # P00024-4. Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, WB
Clonality	Monoclonal HIA-1
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P31749

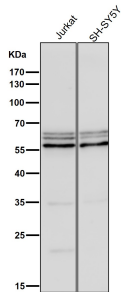
Technical Details

Immunogen	A synthesized peptide derived from human AKT1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IP 1:50

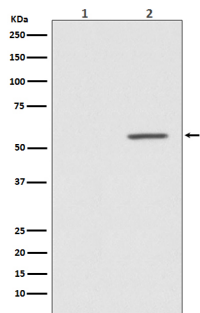
Anti-Phospho-AKT1 (S124) Rabbit Monoclonal Antibody (P00024-4) Images



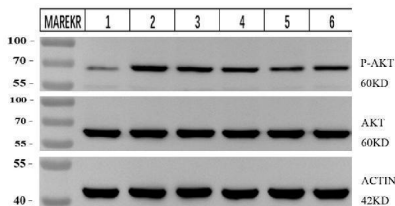
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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Western blot analysis of Phospho-AKT1 (S124) expression in (1) MCF-7 cell treated with Alkaline Phosphatase lysate; (2) MCF-7 cell lysate.



Western blot analysis of Phospho-AKT1 (S124) using anti-Phospho-AKT1 (S124) antibody (P00024-4). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse 4T1 whole cell lysates, Lane 2: LPS-stimulated mouse 4T1 whole cell lysates, Lane 3: Low-dose drug mouse 4T1 whole cell lysates, Lane 4: Medium-dose drug mouse 4T1 whole cell lysates, Lane 5: High-dose drug mouse 4T1 whole cell lysates, Lane 6: Positive control drug mouse 4T1 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Phospho-AKT1 (S124) antigen affinity purified monoclonal antibody (Catalog # P00024-4) at 1:10000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a

dilution of 1:10000 for 1 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with ChemiDoc MP system. A specific band was detected for Phospho-AKT1 (S124) at approximately 60 kDa. The expected band size for Phospho-AKT1 (S124) is at 60 kDa.

14 Publications Citing This Product

1. PubMed ID: 29044143, Li R, Cui K, Liu K, Li H, Zhang Y, Liu X, Chen R, Li M, Wang T, Wang S, Liu J, Rao K. Sci Rep. 2017 Oct 18;7(1):13464. doi: 10.1038/s41598-017-12907-1. Metabolic syndrome in rats is associated with erectile dysfunction by impairing PI3K/Akt/eNOS a...
2. PubMed ID: 27456341, Hyperthermia induced HIF-1a expression of lung cancer through AKT and ERK signaling pathways
3. PubMed ID: 25695729, Wan J, Che Y, Kang N, Wu W. Mol Med Rep. 2015 Jul;12(1):83-92. Doi: 10.3892/Mmr.2015.3368. Epub 2015 Feb 17. Socs3 Blocks Hif-1?? Expression To Inhibit Proliferation And Angiogenesis Of Human Small Cell Lung Cancer By Downregulating Activation Of ...

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