

Phospho-AKT1-S473 Antibody

CABP0140

Description

This Phospho-AKT1-S473 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABP0140
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	AKT, PKB, RAC, PRKBA, PKB-ALPHA, RAC-ALPHA, Phospho-AKT1-S473
Clone:	-
Applications:	WB IHC-P ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	207
Uniprot:	AB_2770900
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	60kDa
Calculated MW:	56kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.

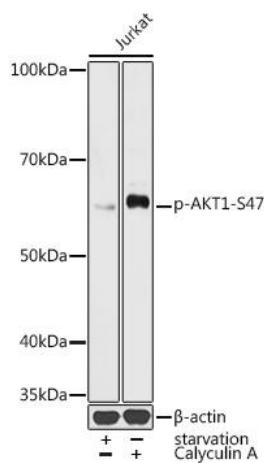
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: Jurkat treated with Calyculin A, C6 treated with Serum, C6 treated with Calyculin A

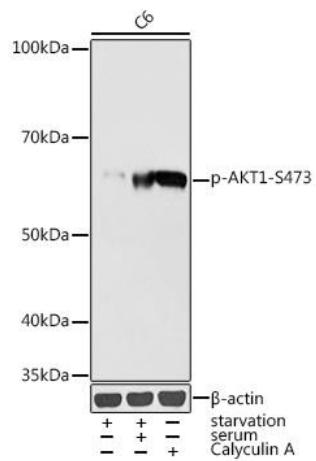
Recommended Dilutions:	<table border="1"> <tr> <td>WB</td><td>1:500 - 1:1000</td></tr> <tr> <td>IHC-P</td><td>1:50 - 1:200</td></tr> <tr> <td>ELISA</td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	WB	1:500 - 1:1000	IHC-P	1:50 - 1:200	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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IHC-P	1:50 - 1:200						
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Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

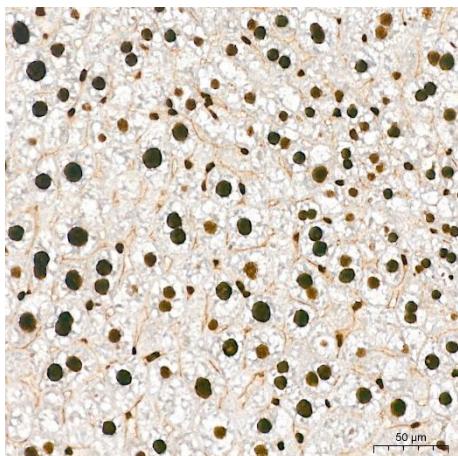
Validation Data



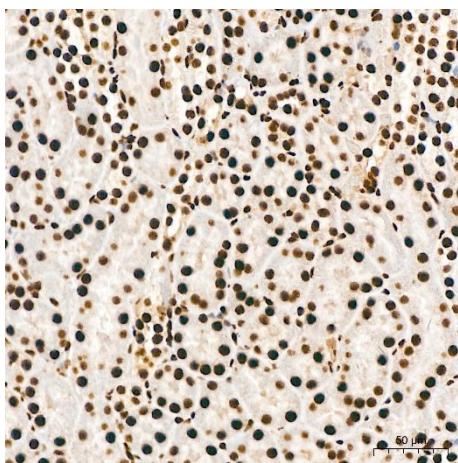
Western blot analysis of lysates from Jurkat cells, using Phospho-- Rabbit pAb (CABP0140) at 1:1000 dilution. Jurkat cells were treated with Serum-starvation overnight at 37°C. Jurkat cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



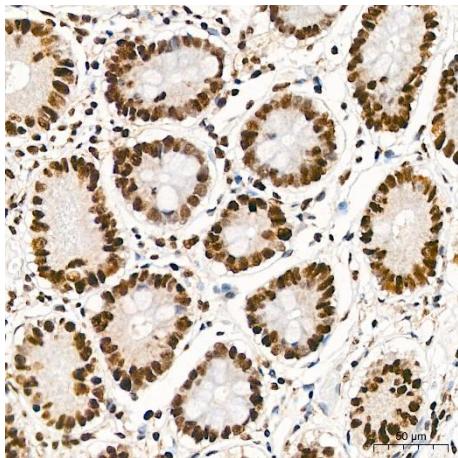
Western blot analysis of lysates from cells, using Phospho-- Rabbit pAb (CABP0140) at 1:1000 dilution. cells were treated with Serum-starvation overnight at 37°C. cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 10s.



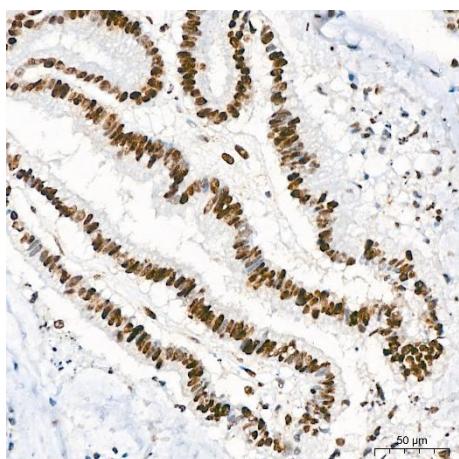
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Phospho-- Rabbit pAb (CABP0140) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Phospho-- Rabbit pAb (CABP0140) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Phospho-- Rabbit pAb (CABP0140) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Phospho-- Rabbit pAb (CABP0140) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.