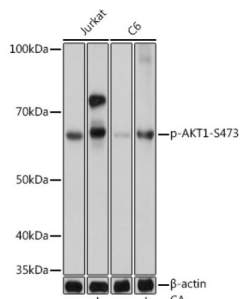
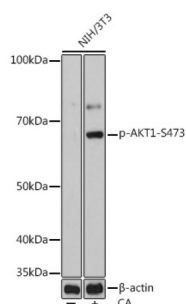


RAC-Alpha Serine/threonine-Protein Kinase Phospho-Ser473 (Akt1 pS473) Antibody

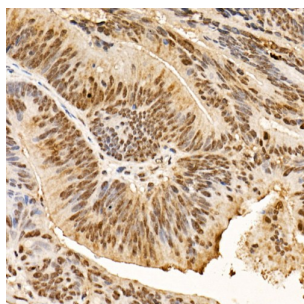
Catalogue No.: abx125440



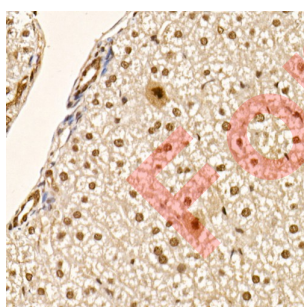
Western blot analysis of various lysates using Phospho-AKT1-S473 antibody at 1/1000 dilution. Both Jurkat cells and C6 cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



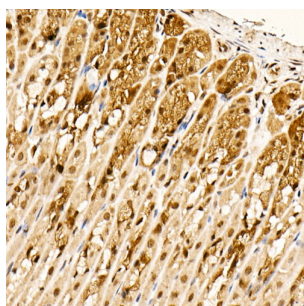
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-AKT1-S473 antibody at 1/1000 dilution. NIH/3T3 cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



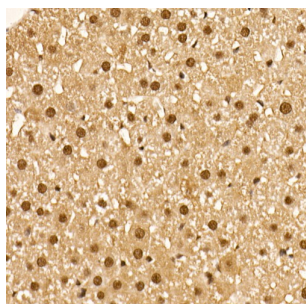
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Phospho-AKT1-S473 Rabbit antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using Phospho-AKT1-S473 Rabbit antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse stomach using Phospho-AKT1-S473 Rabbit antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-AKT1-S473 Rabbit antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.

Phospho-Akt1-S473 Antibody is a Rabbit Phosphorylation mAb against Phospho-Akt1-S473.

Target:	RAC-Alpha Serine/threonine-Protein Kinase Phospho-Ser473 (Akt1 pS473)
Clonality:	Monoclonal
Target Modification:	Ser473
Modification:	Phosphorylation
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic phosphorylated peptide around S473 of human Akt1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P31749 (UniProt , ExPASy)
Gene Symbol:	AKT1

Datasheet

Version: 4.0.0

Revision date: 18 Aug 2025



GeneID: [207](#)

KEGG: hsa:207

String: [9606.ENSP00000451828](#)

Molecular Weight: Calculated MW: 56 kDa
Observed MW: 60 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 0.05% BSA, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only