

## AKT (phospho Ser473) antibody

Cat. No. GTX128414

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat, Pig

References ( 71 )

 Review ( 4 )

Package

100 µl, 25 µl

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	Assay dependent
IP	1:100-1:500

Not tested in other applications.

Calculated MW 56 kDa. ( [Note](#) )

**Product Note** This antibody is raised against human AKT1 phosphorylated at Ser473. Based on sequence homology, it is predicted to react with AKT2 and AKT3 when phosphorylated at the corresponding residues - AKT2 Ser474 and AKT3 Ser472.

## Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding phospho Ser473 of human AKT. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



For full product information, images and publications, please visit our [website](#).

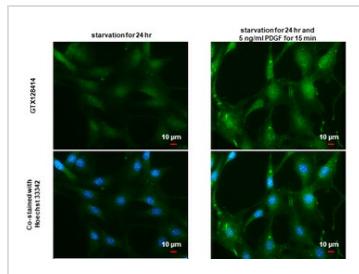
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

#### DATA IMAGES



#### GTX128414 ICC/IF Image

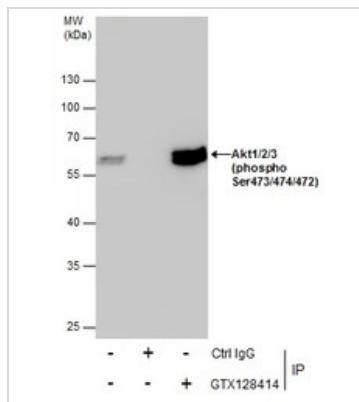
AKT (phospho Ser473) antibody detects AKT (phospho Ser473) protein by immunofluorescent analysis.

Sample: NIH3T3 cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: AKT (phospho Ser473) stained by AKT (phospho Ser473) antibody (GTX128414) diluted at 1:500.

Blue: Hoechst 33342 staining.

Scale bar= 10 μm.

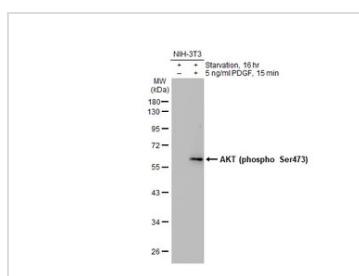


#### GTX128414 IP Image

Immunoprecipitation of Akt1/2/3 (phospho Ser473/474/472) protein from 293T whole cell extracts using 5 μg of Akt1/2/3 (phospho Ser473/474/472) antibody (GTX128414).

Western blot analysis was performed using Akt1/2/3 (phospho Ser473/474/472) antibody (GTX128414).

EasyBlot anti-Rabbit IgG (GTX221666-01) was used as a secondary reagent.



#### GTX128414 WB Image

Untreated (-) and treated (+) NIH-3T3 whole cell extracts (30 μg) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT (phospho Ser473) antibody (GTX128414) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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