

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 (75)

★★★★☆ 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 |



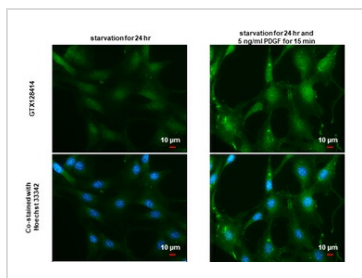
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Note

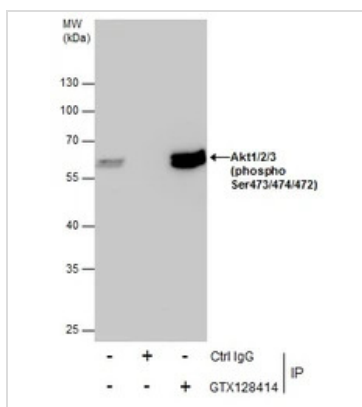
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DATA IMAGES



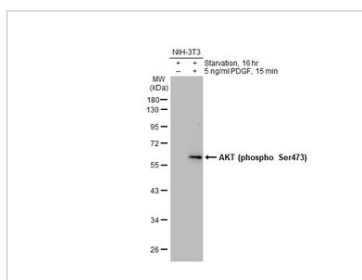
GTX128414 ICC/IF Image

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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