

AKT (phospho Ser473) antibody [HL2971]

Cat. No. GTX640358

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB
Reactivity	Human, Mouse

References (1)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent

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
Preservative	No preservatives
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 AKT1. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

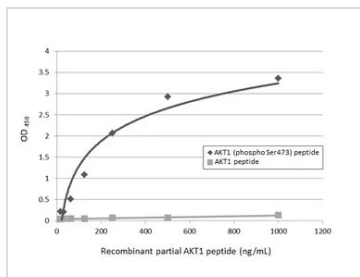
Note

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

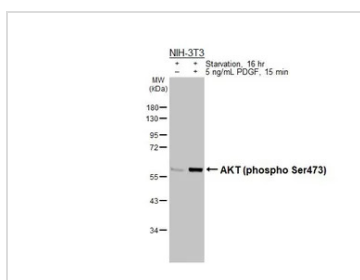
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DATA IMAGES

GTX640358 Image

Specificity test analysis was performed by coating the plate with recombinant AKT1 peptide and AKT1 (phospho Ser473) peptide (1000-15.63 ng/mL). Coated protein was probed with AKT (phospho Ser473) antibody [HL2971] (GTX640358) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.


GTX640358 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 [HL2971] (GTX640358) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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