

# AKT (phospho Ser473) antibody [HL2871]

## Cat. No. GTX640148

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

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
IHC-P	Assay dependent
Not tested in other applic	cations.
Observed MW (kDa)	60 kDa.
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



For full product information, images and publications, please visit our <u>website</u>.

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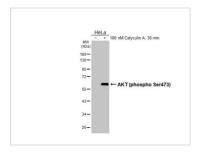


For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### Note

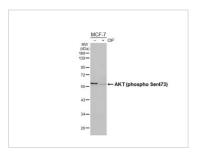
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#### DATA IMAGES



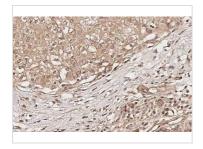
#### GTX640148 WB Image

Untreated (–) and treated (+) HeLa whole cell extracts (30  $\mu$ g) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT (phospho Ser473) antibody [HL2871] (GTX640148) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX640148 WB Image

Untreated (–) and treated (+) MCF-7 whole cell extracts (30  $\mu$ g) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT (phospho Ser473) antibody [HL2871] (GTX640148) diluted at 1:1000. The HRP-conjugated anti-rabbit lgG antibody (GTX213110-01) was used to detect the primary antibody.

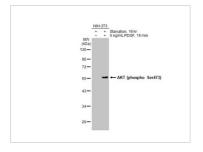


## GTX640148 IHC-P Image

AKT (phospho Ser473) antibody [HL2871] detects AKT (phospho Ser473) protein by immunohistochemical analysis.

Sample: Paraffin-embedded human breast carcinoma.

AKT (phospho Ser473) stained by AKT (phospho Ser473) antibody [HL2871] (GTX640148) diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



#### GTX640148 WB Image

Untreated (-) and treated (+) NIH-3T3 whole cell extracts (30  $\mu$ g) were separated by 10% SDS-PAGE, and the membrane was blotted with AKT (phospho Ser473) antibody [HL2871] (GTX640148) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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