

AKT antibody

Cat. No. GTX48651

| | |
|---------------------|-----------------------------|
| Host | Sheep |
| Clonality | Polyclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF, FCM, ELISA, IHC |
| Reactivity | Human |

Package

50 µg

Applications

Application Note

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

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | 1:500-1:2000 |
| ICC/IF | Assay dependent |
| FCM | Assay dependent |
| ELISA | 1:5000-1:20000 |
| IHC | Assay dependent |

Not tested in other applications.

Properties

| | |
|----------------------|--|
| Form | Liquid |
| Buffer | 20mM Potassium Phosphate, 150mM NaCl |
| Preservative | 0.1% Sodium azide |
| 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 | 0.9 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Synthetic peptide corresponding to an internal region of human AKT1 protein. |
| Purification | Purified by antigen-affinity chromatography. |
| Conjugation | Unconjugated |

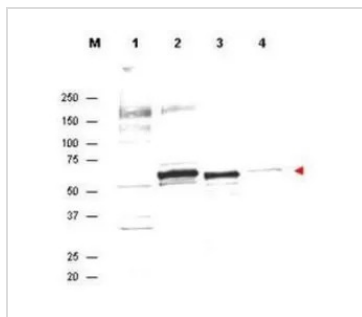
Note

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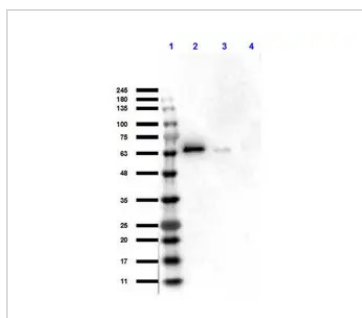
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DATA IMAGES

GTX48651 WB Image

Anti-AKT Antibody in western blot showing detection of endogenous protein in whole cell extracts from H₂O₂ treated MCF7 cells (lane 2). Recombinant AKT is detected in lane 3. Lanes 1 and 4 contain wcl from HeLa and A431 cells, respectively. Specific band staining is completely blocked when antibody is pre-incubated with the immunizing peptide (data not shown). The band at ~55-60 kDa, indicated by the arrowhead, corresponds to the expected molecular weight of AKT. AKT antibody was diluted 1:300 in 1% BLOTTO and reacted with the membrane overnight at 4° C. IRDYE800 conjugated Dnky-anti-Sheep IgG was used at a 1:10,000 dilution for 45 min at room temperature.


GTX48651 WB Image

WB analysis of various samples using GTX48651 AKT antibody.

Lane 1 : Protein ladder

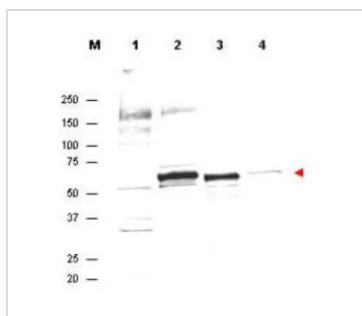
Lane 2 : Recombinant AKT1 protein

Lane 3 : Recombinant AKT2 protein

Lane 3 : Recombinant AKT3 protein

Loading : 50 ng

Dilution : 1:1000


GTX48651 WB Image

WB analysis of various samples using GTX48651 AKT antibody.

Lane 1 : HeLa whole cell lysate

Lane 2 : H₂O₂-treated MCF-7 whole cell lysate

Lane 3 : Recombinant AKT protein

Lane 4 : A431 whole cell lysate

Loading : 35 µg

Dilution : 1:300



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