

## AKT antibody

Cat. No. GTX28805

|                     |                               |
|---------------------|-------------------------------|
| <b>Host</b>         | Rabbit                        |
| <b>Clonality</b>    | Polyclonal                    |
| <b>Isotype</b>      | IgG                           |
| <b>Applications</b> | WB, ICC/IF, IHC-P, FCM, ELISA |
| <b>Reactivity</b>   | Human, Mouse, Rat, Chicken    |

References ( 6 )

Package

100 µl

## Applications

## Application Note

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

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | 1:500-1:2000         |
| ICC/IF             | 1:100-1:1000         |
| IHC-P              | 1:500-1:2000         |
| FCM                | Assay dependent      |
| ELISA              | 1:2000-1:10000       |

Not tested in other applications.

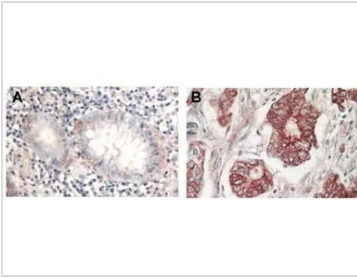
## Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | 20mM Potassium Phosphate, 150mM NaCl   |
| <b>Preservative</b>  | 0.01% Sodium azide   |
| <b>Storage</b>       | 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.   |
| <b>Concentration</b> | 85 mg/ml (Please refer to the vial label for the specific concentration.)  |
| <b>Immunogen</b>     | Synthetic peptide RPHFPQFSYSASGTA corresponding to the Cterminus (460-480) of human AKT proteins conjugated to KLH using maleimide.  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Note</b>          | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>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. |



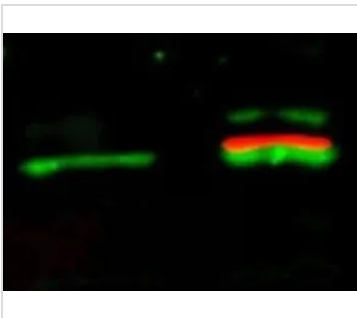
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DATA IMAGES



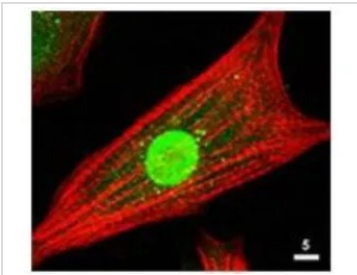
**GTx28805 IHC-P Image**

Immunohistochemical analysis of formalin-fixed paraffin-embedded tissue, A: Normal colon tissue, B: Colon tumor tissue, using AKT(GTx28805) antibody at 1:1,000 dilution for 1 h at RT. Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: AKT is nuclear. Staining: AKT as precipitated red signal with hematoxylin purple nuclear counterstain.



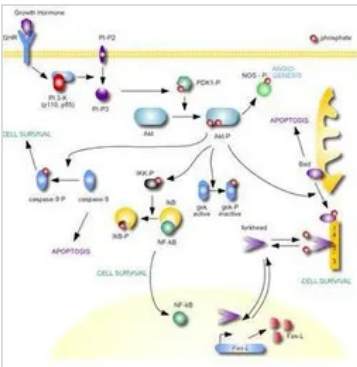
**GTx28805 WB Image**

Western Blot of simultaneous detection of unphosphorylated and phosphorylated Rabbit Anti-AKT antibody (GTx28805). Lane 1: unstimulated NIH/3T3 lysates contain inactive unphosphorylated Akt1, green band. Lane 2: PDGF stimulated NIH/3T3 lysate contains both inactive (green band) and activated phosphorylated Akt1 (red band). Load: 35 µg per lane. Primary antibody: rabbit anti-Akt (pan) and mouse anti-Akt pS473 specific antibodies at 1:1000 for overnight at 4°C. Secondary antibody: Fluorescent 549 conjugated anti-rabbit IgG (green) and fluorescent 649 conjugated anti-mouse IgG (red) secondary antibodies at 1:10,000 for 45 min at RT.



**GTx28805 ICC/IF Image**

ICC/IF of the Akt antibody is used at 1: 80 for 1hr at RT on cultured neonatal rat cardiomyocytes (Green). The red is Texas-red phalloidin that labels actin filaments.



**GTx28805 Image**



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