

## Akt1 Rabbit Polyclonal Antibody(F201)

Catalog TDY436C TDY436F

Tel: 010-82908854

Web: www.tdybio.com

Quantity 50μL 100μL

Entrez-Gene ID#207 , Swiss-Prot Acc.#P31749

**For research use only.**

| Applications | Species Cross-Reactivity | Molecular Weight | Isotype |
|--------------|--------------------------|------------------|---------|
| WB, IHC      | H, R, M                  | 60KD             | IgG     |

**Storage Buffer & Condition:** Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Store at **-20°C**. **Do not aliquot the antibody.**

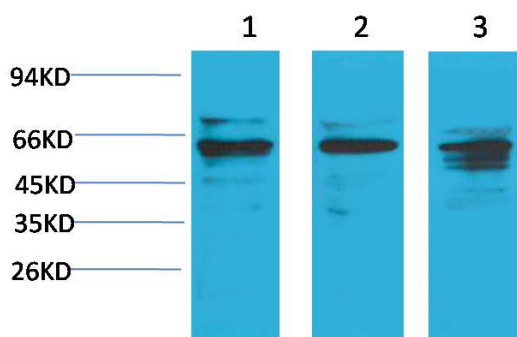
**Recommended dilutions:** WB: 1:1,000-2,000 IHC: 1:100-200

**Optimal dilutions should be determined by the end user.**

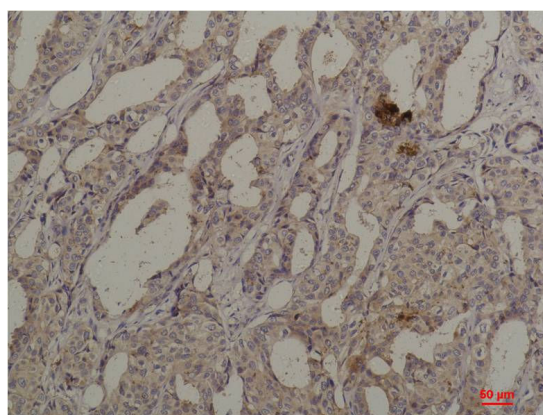
**Specificity:** Antibody can detects endogenous Akt1 protein.

**Alternative Names:** c Akt antibody, MGC9965 antibody, Protein kinase B antibody, RAC antibody, PRKBA antibody

**Background:** Akt, is a serine/threonine-specific protein kinase that plays a key role in multiple cellular processes such as glucose metabolism, apoptosis, cell proliferation, transcription and cell migration. Akt1 is involved in cellular survival pathways, by inhibiting apoptotic processes. Akt1 is also able to induce protein synthesis pathways, and is therefore a key signaling protein in the cellular pathways that lead to skeletal muscle hypertrophy, and general tissue growth.



Western blot analysis of 1) HeLa, 2) 3T3, 3) PC12 with Akt1 Rabbit pAb TDY436 diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Akt1 (TDY436) Rabbit pAb diluted at 1:200.