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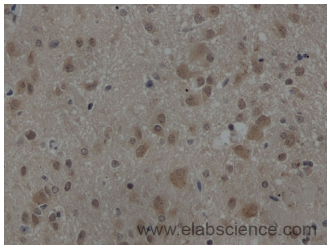
# AKT1 Polyclonal Antibody

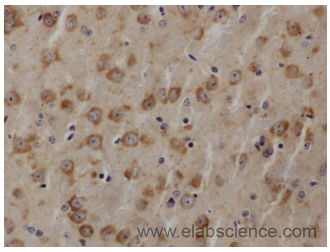
| | | | |
|---|---|---|---|
| **Catalog No.** | E-AB-40032 | **Reactivity** | H,M,R |
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. | **Host** | Rabbit |
| **Applications** | IHC | **Isotype** | IgG |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

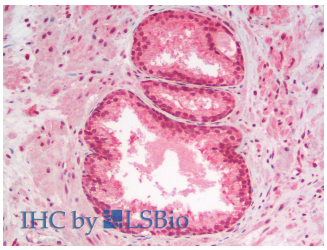
## Images




Immunohistochemistry of paraffin-embedded Rat brain using AKT1 Polyclonal Antibody at dilution of 1:50




Immunohistochemistry of paraffin-embedded Mouse brain using AKT1 Polyclonal Antibody at dilution of 1:50




Immunohistochemistry analysis of paraffin-embedded Human Prostate using AKT1 Polyclonal Antibody(Elabscience® Product Detected by Lifespan).

## Immunogen Information

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|---|---|
| **Immunogen** | Recombinant Mouse RAC-alpha serine/threonine-protein kinase protein |
| **Gene Accession** | BC000479 |
| **Swissprot** | P31750 |
| **Synonyms** | AKT, AKT1, PKB, PKB ALPHA, PRKBA, Protein kinase B, Proto oncogene c Akt, RAC, RAC ALPHA, RAC PK alpha |

## Product Information

| | |
|---|---|
| **Buffer** | PBS with 0.02% sodium azide and 50% glycerol pH 7.4. |
| **Purify** | Affinity purification |
| **Dilution** | IHC 1:50-1:100 |

## Background

The serine-threonine protein kinase AKT1 is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery.