

## 10-6539: Mouse Monoclonal Antibody to AKT3 (Clone: 154CT4.5.3)(Discontinued)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | 154CT4.5.3  |
| <b>Application :</b>           | WB,IHC-P  |
| <b>Reactivity :</b>            | Human,Mouse   |
| <b>Gene :</b>                  | AKT3  |
| <b>Gene ID :</b>               | 10000   |
| <b>Uniprot ID :</b>            | Q9Y243  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | RAC-gamma serine/threonine-protein kinase, Protein kinase Akt-3, Protein kinase B gamma, PKB gamma, RAC-PK-gamma, STK-2, AKT3, PKBG |
| <b>Isotype :</b>               | Mouse IgG1,Lambda   |
| <b>Immunogen Information :</b> | Recombinant Protein   |

### Description

AKT3 is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1).

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 80 $\mu$ l / 400 $\mu$ l  |
| <b>Purification :</b>      | Protein G Chromatography  |
| <b>Content :</b>           | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.   |
| <b>Storage condition :</b> | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles. |

### Application Note

WB~1:100~500|| IHC-P~1:50~100

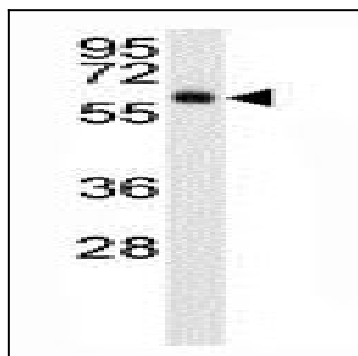


Figure 1: Western blot analysis of AKT3 antibody (10-6539) in mouse NIH-3T3 cell line lysates (15  $\mu$ g/lane). This demonstrates the AKT3 antibody detected the AKT3 protein.

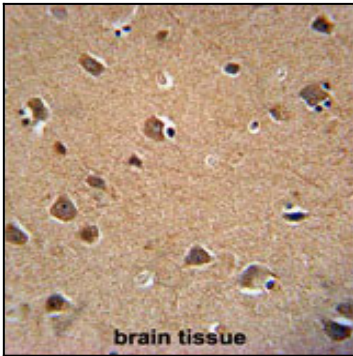


Figure 2: Immunohistochemistry analysis of AKT3 Monoclonal Antibody (10-6539) in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AKT3 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.