

Akt3 Monoclonal Antibody

also designated protein kinase B gamma or v-akt murine thymoma viral oncogene homolog 3

CATALOG NO.: 32-106

DESCRIPTION:

Akt3 (also designated protein kinase B gamma or v-akt murine thymoma viral oncogene homolog 3), with 479-amino acid protein (about 53kDa), belongs to the AKT serine/threonine protein kinase family, which also includes Akt1 and Akt2. 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. Akt3 is not required for the maintenance of normal carbohydrate metabolism but is essential for the attainment of normal organ size. Identifying Akt3 as a selective target in melanoma cells also provides new therapeutic opportunities for patients in the advanced stages of this disease.

CLONALITY:

This is a monoclonal antibody. Clone 3B12F3F10, 2D2B11B11, 2D2B11H5.

ISOTYPE:

n/a

HOST:

Akt3 monoclonal antibody was raised in mouse. Please use anti-mouse secondary antibodies.

IMMUNOGEN:

Ni-NTA purified truncated recombinant Akt3 expressed in E. Coli strain BL21 (DE3).

PURIFICATION DETAILS:

Ascitic fluid containing 0.03% sodium azide.

TESTED APPLICATION:

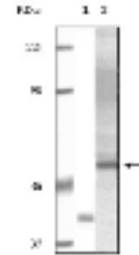
WB,E

APPLICATION DETAILS:

Western Blot: 1: 500- 1: 2000 ELISA: Proposed dilution 1: 10,000. Determining optimal working dilutions by titration test.

STORAGE:

Akt3 monoclonal antibody can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western blot analysis using Akt3 monoclonal antibody against truncated Akt3 recombinant protein and human ovary carcinoma tissue lysate .

USER NOTES:

Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. **This product is for research use only.**