

Akt3 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2651
Host	Mouse
Isotype	Mouse IgG1
Size	100 μ L, 50 μ L
Immunogen	Purified recombinant fragment of Akt3 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	Akt3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

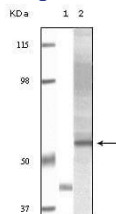
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using Akt3 mouse mAb against truncated Akt3 recombinant protein (1) and human ovary carcinoma tissue lysate (2).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.