

Akt2 Monoclonal Antibody

also designated protein kinase B beta or v-akt murine thymoma viral oncogene homolog 2

CATALOG NO.: 32-105

DESCRIPTION:

Akt2 (also designated protein kinase B beta or v-akt murine thymoma viral oncogene homolog 2), with 481-amino acid protein (about 53kDa), belongs to the AKT serine/threonine protein kinase family, which also includes Akt1 and Akt3. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. Among the members of AKT family, Akt2 is associated with the development of human cancers. Akt2 inhibits cisplatin-induced JNK/p38 and Bax activation through phosphorylation of ASK1 and thus, plays an important role in chemoresistance. Further, Akt2 plays a specific role in muscle differentiation.

CLONALITY:

This is a monoclonal antibody. Clone 1G8C12.

ISOTYPE:

IgG2b

HOST:

Akt2 monoclonal antibody was raised in mouse. Please use anti-mouse secondary antibodies.

IMMUNOGEN:

Ni-NTA purified truncated recombinant Akt2 expressed in E. Coli strain BL21 (DE3).

PURIFICATION DETAILS:

Ascitic fluid containing 0.03% sodium azide.

TESTED APPLICATION:

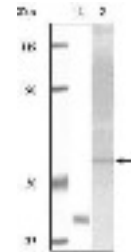
WB,E

APPLICATION DETAILS:

Western Blot: 1: 100- 1: 500 ELISA: Propose dilution 1: 10,000. Determining optimal working dilutions by titration test.*

STORAGE:

Akt2 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 Akt2 monoclonal antibody against truncated Akt2 recombinant protein and A431 cell 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.**