

Datasheet for ABIN2464009

anti-AKT3 antibody (truncated)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mL
Target:	AKT3
Binding Specificity:	truncated
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Ni-NTA purified truncated recombinant Akt3 expressed in E. Coli strain BL21 (DE3).
Clone:	3B12F3F10-2D2B11B11-2D2B11H5

Target Details

Target:	AKT3
Alternative Name:	Akt3 (AKT3 Products)
Background:	Akt3 (also designated protein kinase B gamma or v-akt murine thymoma viral oncogene homolog 3) is a 479-amino acid protein (about 53 kDa), 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,

Target Details

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.

Gene ID:	10000
UniProt:	Q9Y243
Pathways:	PI3K-Akt Signaling , RTK Signaling , TLR Signaling , Hepatitis C , VEGF Signaling

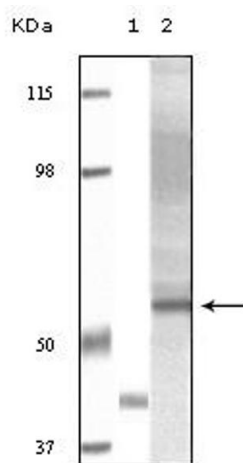
Application Details

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

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Storage:	-20 °C
Storage Comment:	Akt3 monoclonal antibody can be stored at -20 °C, stable for one year.



Western Blotting

Image 1. Western blot analysis using Akt3 monoclonal antibody against truncated Akt3 recombinant protein and human ovary carcinoma tissue lysate .