

## Product datasheet for **AM06129SU-N**

### **AKT3 Mouse Monoclonal Antibody [Clone ID: 3B12F3F10]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	3B12F3F10
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Akt3 expressed in E. Coli.
Specificity:	Recognizes Akt3
Formulation:	State: Ascites State: Ascitic fluid Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	AKT serine/threonine kinase 3
Database Link:	<a href="#">Entrez Gene 10000 Human Q9Y243</a>



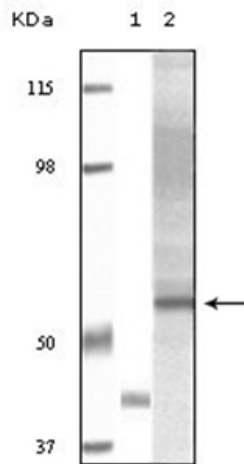
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**Background:**

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.

**Synonyms:**

RAC-PK-gamma, Protein kinase B gamma, PKBG, STK-2

**Product images:**

Western blot analysis using Akt3 antibody Cat.-No AM06129SU-N against truncated Akt3 recombinant protein (Lane 1) and human ovary carcinoma tissue lysate (Lane 2).