

Datasheet for ABIN2469638
anti-AKT3 antibody (AA 119-136)



[Go to Product page](#)

Overview

Quantity:	0.05 mg
Target:	AKT3
Binding Specificity:	AA 119-136
Reactivity:	Human, Mouse, Rat, Monkey, Dog, Chicken, Cow, Bat, Horse, Pig, Rabbit, Gibbon, Gorilla
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	AKT3 monoclonal antibody was raised against amino acids 119 - 136 of AKT3 (Human).
Clone:	66C1247-1
Isotype:	IgG1
Purification:	Protein G Column

Target Details

Target:	AKT3
Alternative Name:	AKT3 (AKT3 Products)
Background:	Akt, protein kinase B (PKB), is a serine/threonine kinase which is involved in many cellular signaling pathways and acts as a transducer of many functions initiated by growth factor

Target Details

receptors that activate phosphatidylinositol 3-kinase (PI 3-kinase). The major activity of Akt/PKB is to mediate cell survival. Akt/PKB is also believed to be a critical factor in the genesis of cancer as the tumor suppressor PTEN was found to antagonize PI-3 kinase and Akt/PKB kinase activity. There are 3 known isoforms of this enzyme in mammalian cells (1/alpha, 2/beta and 3/gamma). Akt1, 2 and 3 contain a key regulatory serine phosphorylation site in the carboxy-terminal region of the protein. Akt/PKB phosphorylation is critical for its activity.

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

Application Details

Application Notes:	AKT3 antibody can be used in ELISA starting at 1:10000, Western Blot starting at 1:500 - 1:2000, immunohistochemistry starting at 1:200, immunofluorescence starting at 1:200 - 1:1000, and flow cytometry starting at 1:200 - 1:400.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, 0.05 % BSA, 0.05 % 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 avoid freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store AKT3 antibody at 4 °C or -20 °C.