

Datasheet for ABIN230106 **anti-AKT3 antibody (AA 119-131)**



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Overview

Quantity:	100 µL
Target:	AKT3
Binding Specificity:	AA 119-131
Reactivity:	Human, Mouse, Rat, Monkey, Dog, Chicken, Cow, Bat, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Functional Studies (Func)

Product Details

Immunogen:	KLH-conjugated, synthetic peptide corresponding to aa119-131 (CSPTSQIDNIGEE) of human Akt3/PKBg. The immunizing sequence is identical in mouse and rat. Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig, Opossum, Turkey, Chicken, Platypus (100%), Hamster, Zebrafish (92%). Type of Immunogen: Synthetic peptide - KLH conjugated
Isotype:	IgG
Specificity:	Recognizes Akt3/PKBg, Mr 60kD. An additional protein was observed, Mr 50kD. Detection of both bands is inhibited by preincubation with the immunizing peptide. Species cross-reactivity: Human. Species sequence homology: mouse and rat.
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat,

Product Details

Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig, Opossum, Turkey, Chicken, Platypus (100%) Hamster, Zebrafish (92%).

Purification: Immunoaffinity purified

Target Details

Target: AKT3

Alternative Name: AKT3 ([AKT3 Products](#))

Background: Name/Gene ID: AKT3
Subfamily: RAC/AKT
Family: Protein Kinase

Synonyms: AKT3, AKT3/PKBgamma, PRKBG, PKB gamma, Protein kinase Akt-3, RAC-gamma, MPPH, PKB-GAMMA, PKBG, Protein kinase B gamma, RAC-PK-gamma, STK-2

Gene ID: 10000

UniProt: [Q9Y243](#)

Pathways: [PI3K-Akt Signaling](#), [RTK Signaling](#), [TLR Signaling](#), [Hepatitis C](#), [VEGF Signaling](#)

Application Details

Application Notes: Approved: Func, IP, WB (1:500 - 1:2000)

Usage: Suitable for use in Western Blot and Immunoprecipitation. Western Blot: A 1:500-1:2000 dilution of this lot detected Akt3/PKBg in HEK293 cell lysates. Immunoprecipitation: 5 µL immunoprecipitated active Akt3/PKBg from 15 nM IGF-I stimulated HEK293 cell lysates. The kinase activity of immunoprecipitated Akt3/PKBg was determined using Akt/SGK Specific Substrate Peptide Active kinase was detected by comparing the incorporation of [32P] into Akt/SGK Substrate Peptide as catalyzed by immunoprecipitates from IGF-I stimulated (15nM) HEK293 cell lysates (1 mg).

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Concentration:	Lot specific
Buffer:	0.2 M Tris-glycine, pH 7.4, 0.15 M sodium chloride, 0.1 mM EDTA, 0.05 % sodium azide, before the addition of glycerol to 30 %.
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:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.