

AB-NK130-3

Akt2 (PKB beta) Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase Akt2 (PKB beta)



KINEXUS

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Target Protein

Name Long:	RAC-beta serine/threonine-protein kinase
Alias:	Akt2; PKB beta; RAC-beta serine,threonine protein kinase; RAC-PK-beta; PKBB; PRKBB; HIHGH; PKBBETA; RAC-BETA; CCDS12552.1; ENSG00000105221
UniProt ID:	P31751 - Human
Human Predicted Mass (KDa):	55.769 (481 AA; P31751); 51.083 (438 AA; P31751-2)
Observed SDS-PAGE Mass (KDa):	55-60

Immunogen

Antibody Immunogen Source:	A five residue synthetic peptide based on the human Akt2, coupled to KLH
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Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	49 Mix
Antibody Purification:	Affinity purified
Amount:	25 µl
Antibody Concentration:	0.25 mg/ml
Lot Number:	15DE1
Storage Buffer:	Tris-buffered saline, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB, ELISA
Antibody Dilution Recommended:	1:3000 dilution was sufficient for detection of PKBβ in 20µg of HeLa cell lysate by ECL immunoblot analysis.
Antibody Species Reactivity:	Human, Mouse, Rat, Bovine, Chicken, Dog, Guinea pig, Hamster, Monkey, Pig, Rabbit, Sheep, Xenopus.
Antibody Positive Control:	A 1:3000 dilution of SPC-148 was sufficient for detection of PKBβ in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
Target Detection Immunoblotting:	Detects a 65 kDa protein, corresponding to the molecular mass of Akt2 PKBβ on SDS-PAGE immunoblots.
Antibody Specificity:	Seems very high
Antibody Cross Reactivities:	Does not react with PKBα (Akt1) or PKBγ (Akt3).

This product is for in vitro research use only and is not intended for use in humans or animals.

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