

AB-NK129-4

Akt1-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase Akt1 (PKBa)



KINEXUS

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Target Protein

Name Long:	RAC-alpha serine/threonine-protein kinase
Alias:	AKT; Akt1; AKT1 kinase; C-AKT; Kinase Akt1; PKB; PKB-alpha; PRKBA; V-akt murine thymoma viral oncogene 1; Protein kinase B; RAC; RAC-alpha serine,threonine kinase; RAC-alpha serine/threonine kinase; RAC-PK-alpha; PKBA; hCG_96740; AKT1_NEW; AKT; MGC99656; CCDS9994; B0LPE5; B2RAM5; B3KVH4; B3KXD7; B7Z5R1; Q9BV07; ENSG00000142208
UniProt ID:	P31749
Sequence Predicted Mass (KDa):	55.686 (480 AA; P31749); 48.347 (418 AA; P31749-2)
Observed SDS-PAGE Mass (KDa):	57-62

Immunogen

Antibody Immunogen Source:	Human Akt1 (PKBa) sequence peptide Cat. No.: PE-01AWN99
Antibody Immunogen Sequence:	CHRFFAGIVWQHVEK
Location in Target:	Corresponds to amino acid residues H405 to K419; Post-kinase last alpha-chain
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Antibody Amount:	25 µg
Antibody Concentration:	0.35 mg/ml
Lot Number:	140801 / 140724
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
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.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Overall Antibody Specificity:	Medium selectivity
Antibody Cross Reactivities:	No immunoreactivity on protein dot blots with recombinant human Akt2 and Akt3.

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

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)