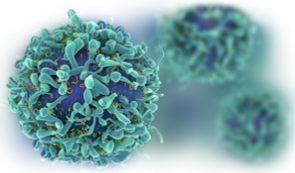

AKT2 Protein Crystal

Catalog: CBCRY43

PRODUCT INFORMATION

Name	AKT2 Protein Crystal
Cat No.	CBCRY43
Fragment	Residues 146-480
Protein Description	RAC-beta serine/threonine-protein kinase
Background	AKT2 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. AKT is responsible of the regulation of glucose uptake by mediating insulin-induced translocation of the SLC2A4/GLUT4 glucose transporter to the cell surface. AKT regulates also cell survival via the phosphorylation of MAP3K5 (apoptosis signal-related kinase). Overexpression of this gene contributes to the malignant phenotype of a subset of human ductal pancreatic cancers.
Protein Classification	Kinase
Structure Weight	38884.90 Da
Method	X-Ray Diffraction
Resolution	2.50 Å
Reference	Yang J, Cron P, Thompson V, Good V, Hess D, Hemmings BA, Barford D. Molecular mechanism for the regulation of protein kinase b/akt by hydrophobic motif phosphorylation. Mol.Cell (2002) 9 p.1227

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