



Anti-AKT2 (aa 100-189) polyclonal antibody (DPAB-DC894)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins.
Immunogen	AKT2 (AAA58364, 100 a.a. ~ 189 a.a) partial recombinant protein with GST tag. The sequence is MRAIQMVANSLKQRAPGEDPMDYKCGSPSDSSTEEMEVAVSKARAKVTMNDFDYLLKG KGTFGKVILVREKATGRYYAMKILRKEVII
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	AKT2 v-akt murine thymoma viral oncogene homolog 2 [Homo sapiens (human)]
Official Symbol	AKT2
Synonyms	AKT2; v-akt murine thymoma viral oncogene homolog 2; PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA; RAC-beta serine/threonine-protein kinase; PKB beta; RAC-PK-beta; protein kinase Akt-2; protein kinase B beta; rac protein kinase beta; murine thymoma viral (v-akt) homolog-2;
Entrez Gene ID	208
Protein Refseq	NP_001229956
UniProt ID	B4DG79
Chromosome Location	19q13.1-q13.2
Pathway	AKT phosphorylates targets in the cytosol; AKT-mediated inactivation of FOXO1A; AMPK signaling pathway; Activation of BH3-only proteins
Function	ATP binding; kinase activity; protein binding; protein serine/threonine kinase activity