

Product datasheet for **EA200040**

Human AKT2 ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human AKT2 ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	0.156-10ng/ml
Sample Type:	Human serum, plasma, and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of AKT2
Sensitivity:	60pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">• AKT2 Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate• Human AKT2 Standard (500ng/ml) 0.1 mL• 100x Biotin conjugated AKT2 Detection Antibody 0.12 mL• 100x SA-HRP Conjugate 0.12 mL• Assay Buffer 40 mL• Sample Diluent 20 mL• Wash Buffer Concentrate 20X 60 mL• TMB Substrate 12 mL• Stop Solution 12 mL• Plate Sealer 3 pieces



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Background:

AKT2, also known as RAC-beta serine/threonine-protein kinase, is an enzyme that in humans is encoded by the AKT2 gene. It influences metabolite storage as part of the insulin signal transduction pathway. AKT2 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) that belong to the AKT subfamily. AKT represents an important signaling hub, modulating many processes including metabolism, proliferation, cell survival, growth and angiogenesis by phosphorylating a range of downstream substrates in response to growth factor stimulation. Akt2 is associated with the development of human cancers. Amplification or high levels of expression of Akt2 are frequently found in human pancreatic, lung, colorectal, ovarian, and breast cancers, and high Akt2 expression levels are positively correlated with the aggressiveness of cancer or poor survival rates in colorectal, ovarian, and breast cancers. AKT2 constitutes a prognostic marker of poor clinical outcomes in breast cancer, ovarian cancer, lung adenocarcinoma, and hepatocellular carcinoma.

Gene Symbol:

AKT2

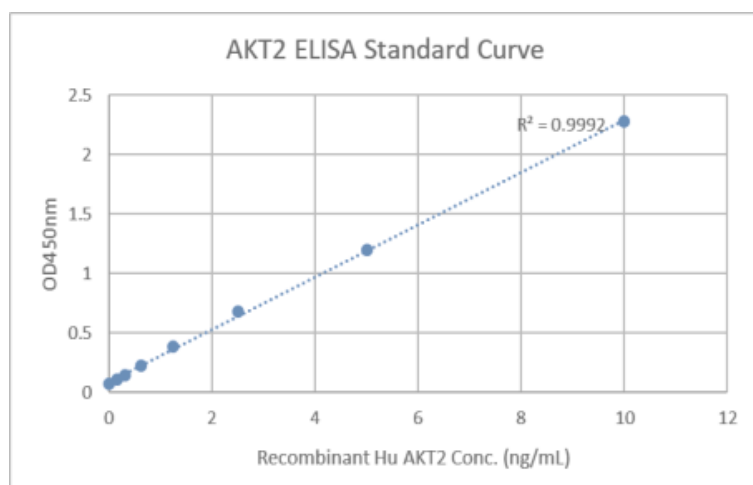
Gene ID:

208

Standard Curve:

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Data image of Human AKT2 ELISA Kit.

Product images:

Data image of Human AKT2 ELISA Kit.