antibodies .- online.com







AKT2 Protein

Images



Overview

Quantity:	10 μg
Target:	AKT2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Application:	Western Blotting (WB)

Product Details

Purification: Recombinant protein corresponds to amino acids 1 to 479 of mature human AKT2, Akt isoform

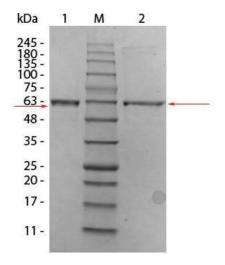
> 2. The recombinant protein contains a polyhistidine affinity tag at the amino terminus. Purity is greater than 90% as determined by reducing and non-reducing SDS-PAGE and by analytical HPLC.

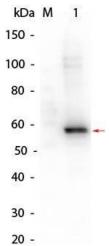
Target Details

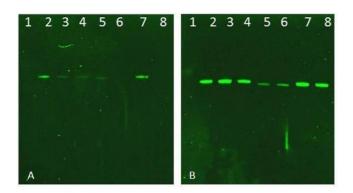
Target:	AKT2
Alternative Name:	AKT2 (AKT2 Products)
Gene ID:	208
UniProt:	P31751
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, TLR Signaling, Cellular Glucan Metabolic
	Process, Regulation of Carbohydrate Metabolic Process, Hepatitis C, VEGF Signaling

Application Details

• •	
Application Notes:	Application Note: AKT2 (phosphatase treated) is suitable as a control for polyclonal or
	monoclonal anti-AKT2 in immunological assays. Akt2 recombinant protein is dephosphorylated
	and in an inactive state. It is well suited as a control for anti-AKT pT308 which detects
	phosphorylated T308 residue, and anti-AKT pS473, that detects phosphorylated S473. For
	western blot use at 50 ng or less. For other assays concentration is user optimized.
	Western Blot Dilution: 50 ng
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.17 mg/mL
Buffer:	Buffer: 20 mM Tris pH 8, 300 mM NaCl with 10 % glycerol
	Stabilizer: 10 % (v/v) Glycerol
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store vial at -70° C prior to use. Thaw only prior to immediate use. Maintain sterility. This
	product DOES NOT contain preservative. DO NOT VORTEX. For long term storage we
	recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best
	results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing.
	Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents
	are not clear after standing at room temperature.
Expiry Date:	12 months







SDS-PAGE

Image 1. SDS-PAGE of AKT2 (phosphatase treated) Human Recombinant Protein. Lane 1: AKT2, unreduced. Lane 2: prestained MW markers. Lane 3: AKT2, reduced. Load: 1 μg per lane. Predicted/Observed size: 56 kDa, ~56 kDa for AKT2. Other band(s): none.

Western Blotting

Image 2. Western Blot of AKT2 (phosphatase treated) Human Recombinant Protein. Lane 1: SuperSignal MW markers. Lane2: AKT2. Load: 50 ng per lane. Primary antibody: AKT2 antibody at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase rat secondary antibody at 1:20,000 for 1 hour at room temperature. Block: Blocking Buffer for Fluorescent Western Blotting (ABIN925618), 1.5 hours at room temperature. Predicted/Observed size: 56kDa, 56kDa for AKT2. Other band(s): none.

Western Blotting

Image 3. Western Blot of Rabbit AKT Antibodies. Lane 1: NIR MW protein ladder. Lane 2: AKT1, recombinant: 009-001-P21. Lane 3: AKT1, phosphatase-treated: 009-001-I51. Lane 4: AKT1, mutant T308A/S473A: 009-001-P22. Lane 5: AKT2, recombinant: 009-001-P23. Lane 6: AKT2, phosphatase-treated: Lane 7: AKT3, recombinant: 009-001-P24. Lane 8: AKT3, phosphatase-treated: 009-001-E75. Load: 50ng per lane. Blot A: 600-401-269 Anti-Akt pT308 used at 1:2270, Blot B: 100-401-401 Anti-Akt used 1:1000.