antibodies .- online.com







anti-AKT1 antibody (AA 85-189)



Images



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Quantity:	100 μg
Target:	AKT1
Binding Specificity:	AA 85-189
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AKT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)
Product Details	
Immunogen:	Recombinant fragment of human AKT1 protein (around aa 85-189) (exact sequence is
Immunogen:	Recombinant fragment of human AKT1 protein (around aa 85-189) (exact sequence is proprietary)
Immunogen: Clone:	
	proprietary)
Clone:	proprietary) AKT1-2784
Clone: Isotype:	proprietary) AKT1-2784 IgG
Clone: Isotype:	proprietary) AKT1-2784 IgG Recognizes a protein of 62 kDa, which is identified as AKT1. The serine/threonine kinase Akt
Clone: Isotype:	proprietary) AKT1-2784 IgG Recognizes a protein of 62 kDa, which is identified as AKT1. The serine/threonine kinase Akt family contains several members, including Akt1 (also designated PKB or RacPK), Akt2 (also
Clone: Isotype:	proprietary) AKT1-2784 IgG Recognizes a protein of 62 kDa, which is identified as AKT1. The serine/threonine kinase Akt family contains several members, including Akt1 (also designated PKB or RacPK), Akt2 (also designated PKB tyrosine residues 740 and 751, which bind the subunit of the
Clone:	proprietary) AKT1-2784 IgG Recognizes a protein of 62 kDa, which is identified as AKT1. The serine/threonine kinase Akt family contains several members, including Akt1 (also designated PKB or RacPK), Akt2 (also designated PKB tyrosine residues 740 and 751, which bind the subunit of the phosphatidylinositol 3-kinase (PI 3-kinase) complex. Activation of Akt1 by insulin or insulin-

Product Details Purification: Purified by Protein A/G **Target Details** Target: AKT1 Alternative Name: AKT1 (AKT1 Products) Molecular Weight: 62kDa Gene ID: 207 UniProt: P31749 Pathways: PI3K-Akt Signaling, RTK Signaling, TCR Signaling, AMPK Signaling, Interferon-gamma Pathway, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Response to Water Deprivation, Regulation of Actin Filament Polymerization , Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Cellular Glucan Metabolic Process, Regulation of Muscle Cell Differentiation, Cell-Cell Junction Organization, Regulation of Cell Size, Skeletal Muscle Fiber Development, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Protein targeting to Nucleus, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Negative Regulation of intrinsic apoptotic Signaling, Thromboxane A2 Receptor Signaling, Signaling of Hepatocyte Growth Factor Receptor, Positive Regulation of fat Cell Differentiation, VEGFR1 Specific Signals, VEGF Signaling, Warburg Effect **Application Details** Application Notes: Positive Control: PDGF-treated NIH/3T3 cells. HeLa cell lysates. Human pancreas or cervical carcinoma. Known Application: Western Blot (1-2 μg/mL), Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. Restrictions: For Research Use only

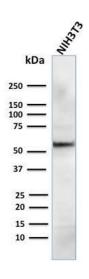
Handling

Concentration:200 μg/mLBuffer:10 mM PBS with 0.05 % BSA & 0.05 % azide.Preservative:Sodium azide

Handling

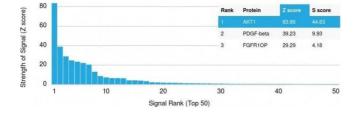
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which			
	should be handled by trained staff only.			
Storage:	4 °C,-80 °C			
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.			
Expiry Date:	24 months			

Images



Western Blotting

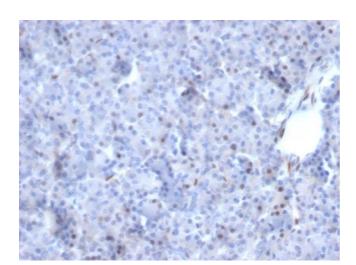
Image 1. Western Blot Analysis of human NIH3T3 cell lysate using AKT1 Mouse Monoclonal Antibody (AKT1/2784).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using AKT1 Mouse Monoclonal Antibody (AKT1/2784).

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least



2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Pancreas stained with AKT1 Mouse Monoclonal Antibody (AKT1/2784).

Please check the product details page for more images. Overall 5 images are available for ABIN6939337.