

Datasheet for ABIN7439390
anti-AKT1 antibody (AA 122-443)

6 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	AKT1
Binding Specificity:	AA 122-443
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Protein Kinase B Alpha (PKBa)
Immunogen:	Recombinant Protein Kinase B Alpha (PKBa) corresponding to Ser122~Thr443 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against PKBa. It has been selected for its ability to recognize PKBa in immunohistochemical staining and western blotting.
Cross-Reactivity:	Chicken, Cow, Dog, Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	AKT1
Alternative Name:	Protein Kinase B Alpha (AKT1 Products)
Background:	AKT1, AKT, PKB-A, Proto-oncogene c-Akt, RAC-Alpha Serine/Threonine-Protein Kinase, V-akt Murine Thymoma Viral Oncogene Homolog 1
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:	Western blotting: 0.05-3 µg/mL Immunohistochemistry: 5-30 µg/mL Immunocytochemistry: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

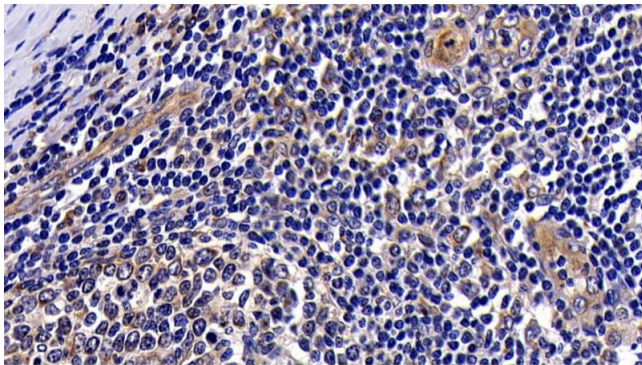
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

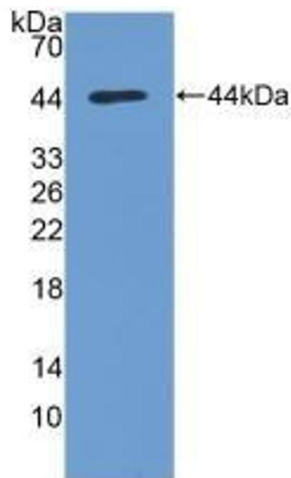
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

Images



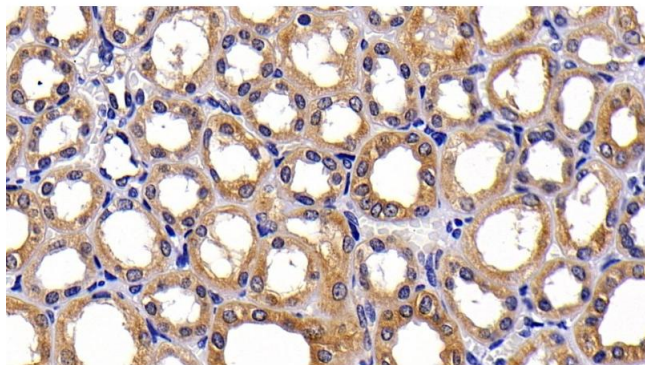
Immunohistochemistry

Image 1. Detection of PKBa in Human Amygdalitis Tissue using Polyclonal Antibody to Protein Kinase B Alpha (PKBa)



Western Blotting

Image 2. Detection of Recombinant PKBa, Human using Polyclonal Antibody to Protein Kinase B Alpha (PKBa)



Immunohistochemistry

Image 3. Detection of PKBa in Human Kidney Tissue using Polyclonal Antibody to Protein Kinase B Alpha (PKBa)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7439390.