

Phospho-AKT1-T450 + AKT2-T451 + AKT3-T447 Rabbit mAb

Catalog No.: AP1430 **Recombinant** **1 Publications**

Basic Information

Observed MW

60kDa

Calculated MW

48kDa/51kDa/55kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Clone/No. number

ARC61098

Background

The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Mutations in this gene have been associated with the Proteus syndrome. Multiple alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB 1:2000 - 1:10000

IHC-P 1:100 - 1:500

ELISA Recommended starting concentration is 1 μ g/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
207/208/10000

Swiss Prot
P31749/P31751/Q9Y243

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

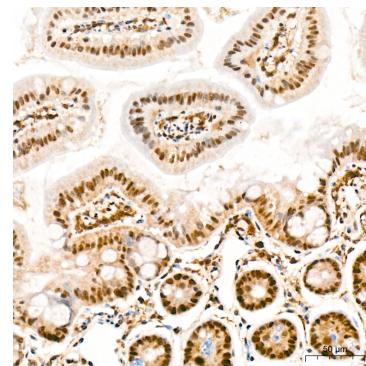
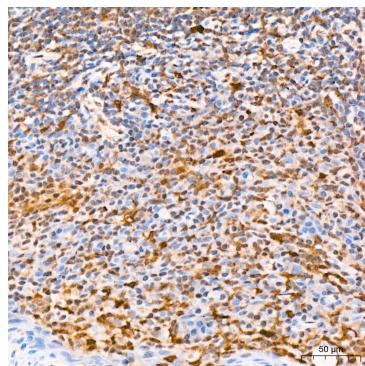
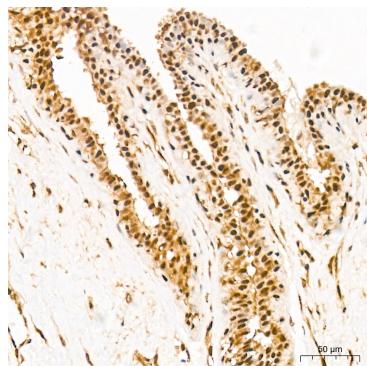
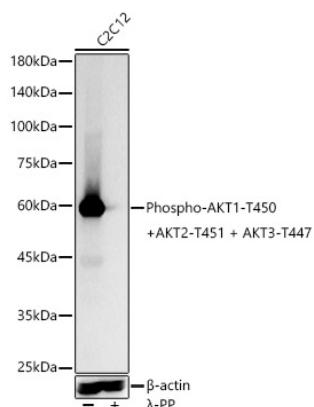
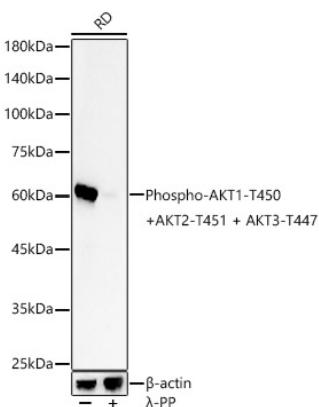
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

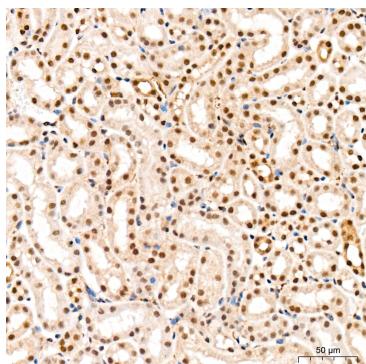
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

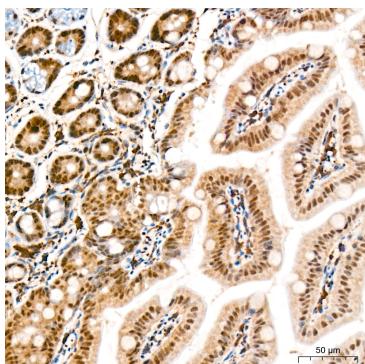
Validation Data



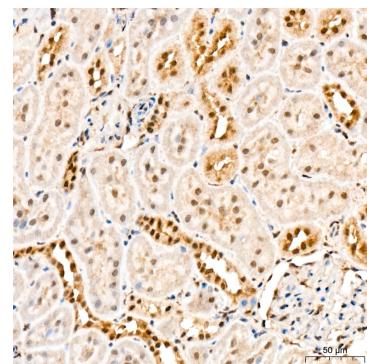
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Phospho-AKT1-T450 + AKT2-T451 + AKT3-T447 Rabbit mAb (AP1430) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using Phospho-AKT1-T450 + AKT2-T451 + AKT3-T447 Rabbit mAb (AP1430) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Phospho-AKT1-T450 + AKT2-T451 + AKT3-T447 Rabbit mAb (AP1430) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.