Product **Datasheet**

Anti-P-AKT1(Ser 473) Rabbit pAb

WL02908

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-AKT1(Ser 473) Rabbit pAb	
Source	Rabbit	
Species reactivity	Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:400
	IF	1:200
Cellular localization	Secreted and Cell membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

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.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-AKT1(Ser473).

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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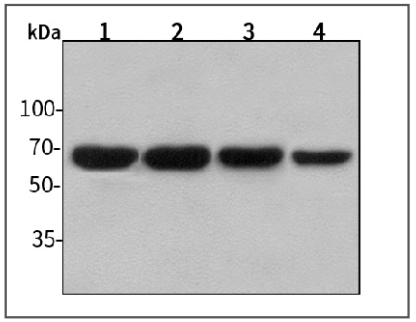
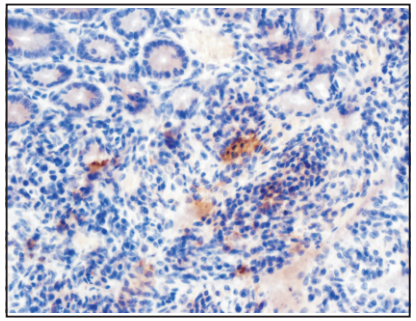
Product Images



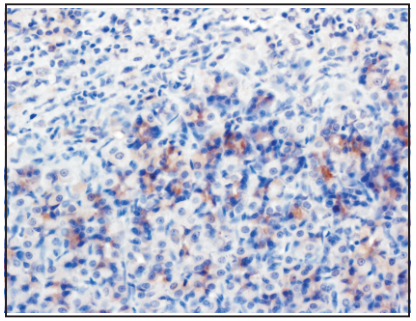
Western blot-Anti-P-AKT1(Ser 473) pAb

Lane 1: Mouse lung tissue lysate
Lane 2: Mouse colon tissue lysate
Lane 3: Rat stomach tissue lysate
Lane 4: Rat spleen tissue lysate
All lanes: Anti-P-AKT1(Ser 473) at 1:500 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 60 kDa
Observed band size: 60 kDa



Immunohistochemistry-Anti-P-AKT1(Ser 473) pAb

Immunohistochemical analysis of paraffin-embedded rat colon using anti-P-AKT1(Ser 473) Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-P-AKT1(Ser 473) pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-P-AKT1(Ser 473) Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

Wanleibio Co.,Ltd. *400-602-0407* *sales@wanleibio.com* *www.wanleibio.com*

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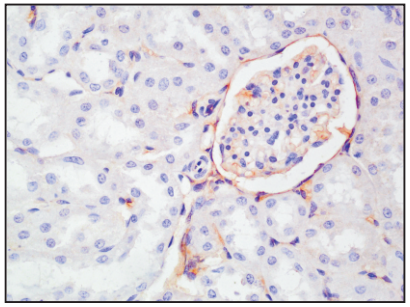
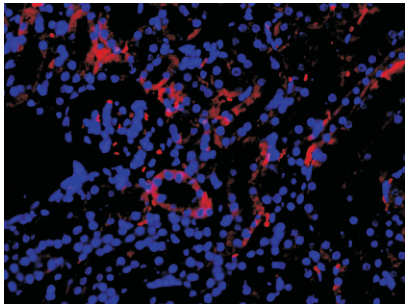


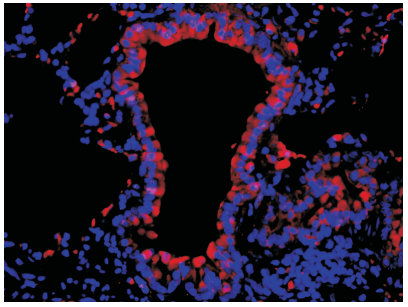
Immunohistochemistry-Anti-P-AKT1(Ser 473) pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-P-AKT1(Ser 473) Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-P-AKT1(Ser 473) pAb

Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-P-AKT1(Ser 473) Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-P-AKT1(Ser 473) pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-P-AKT1(Ser 473) Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0