

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	Cytoplasm. Nucleus. Cell membran		
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.

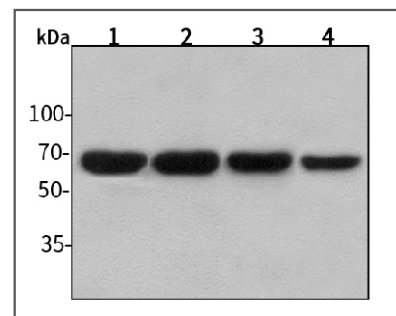
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Product Images



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

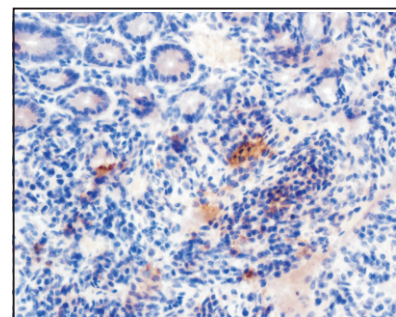
Lane 4: Rat spleen tissue lysate

All lanes: Anti-P-AKT1(Ser 473) at 1:1000 dilution

Lysates/proteins at 20-50 μg per lane.

Predicted band size: 56 kDa

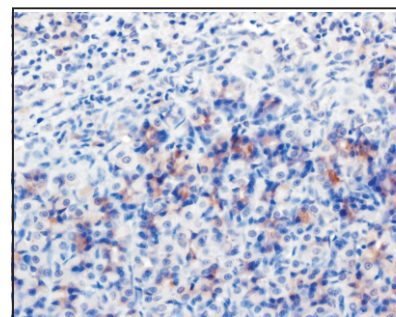
Observed band size: 56 kDa



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

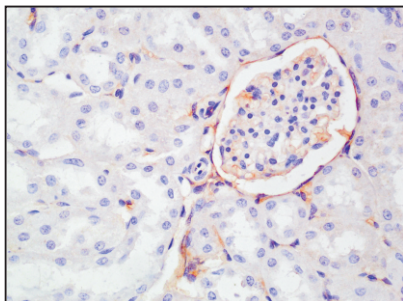
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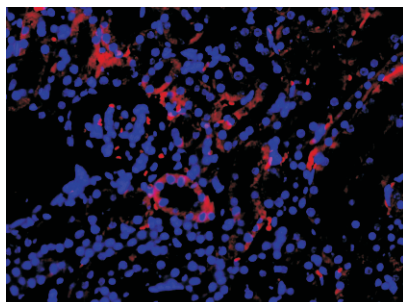
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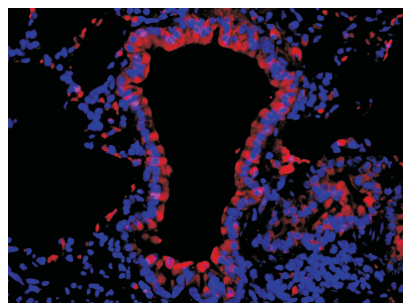
Immunohistochemistry-Anti-P-AKT1(Ser 473) pAb

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