

Anti-P-AKT1(Ser473) Rabbit pAb



WLP001

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-AKT1(Ser473) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western blot	1:500-1:1000
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.

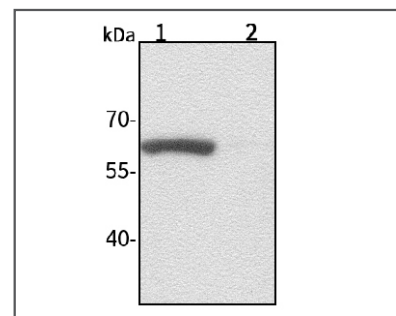
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Product Images



Western blot-P-AKT1(Ser473) pAb

Lane 1: Human HUVEC cell treated with LPS

Lane 2: Human HUVEC cell lysate

All lanes: Anti-p-AKT(Ser 473) at 1:1000 dilution

Lysates/proteins at 20-50 μg per lane.

Predicted band size: 56 kDa

Observed band size: 56 kDa