

Anti- p-AKT (T308) Rabbit pAb



WLA0352

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti- p-AKT (T308) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC, IF	1:50-1:200
Cellular localization	Cell membrane. Cytoplasm. Nucleus.	

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 AKT, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. AKT is activated by phospholipid binding and activation loop phosphorylation at Thr308 by PDK1 and by phosphorylation within the carboxy terminus at Ser473. AKT promotes cell survival by inhibiting apoptosis through phosphorylation and inactivation of several targets, including Bad, forkhead transcription factors, c-Raf, and caspase-9. Another essential AKT function is the regulation of glycogen synthesis through phosphorylation and inactivation of GSK-3α and β. AKT may also play a role in insulin stimulation of glucose transport. In addition to its role in survival and glycogen synthesis, AKT is involved in cell cycle regulation by preventing GSK-3β-mediated phosphorylation and degradation of cyclin D1 and by negatively regulating the cyclin dependent kinase inhibitors p27 Kip1 and p21 Waf1/Cip1.

Immunogen Polyclonal antibody is produced by immunizing animals with a synthetic peptide of p-AKT (T308) .

Purification Polyclonal antibody was purified by immunogen affinity chromatography.

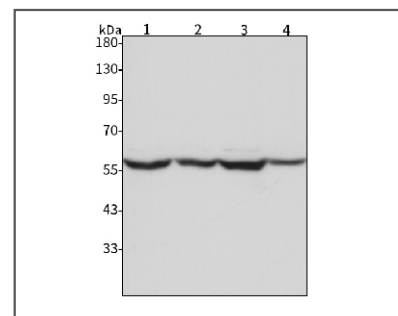
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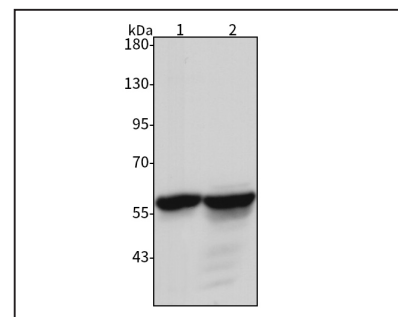
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Product Images



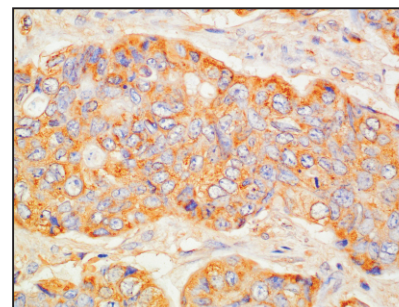
Western blot-Anti- p-AKT (T308) pAb

Lane 1: Human Hela cell lysate
Lane 2: Human HEK293 cell lysate
Lane 3: Human HCT116 cell lysate
Lane 4: Human MDA-MB-231 cell lysate
All lanes: Anti- p-AKT (T308) at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 56 kDa
 Observed band size: 56 kDa



Western blot-Anti-p-AKT (T308) pAb

Lane 1: Mouse heart tissue lysate
Lane 2: Rat liver tissue lysate
All lanes: Anti- p-AKT (T308) 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-AKT (T308) pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti- p-AKT (T308) Rabbit Antibody at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

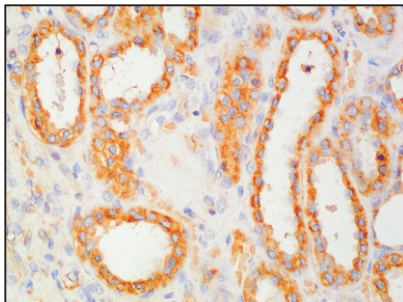
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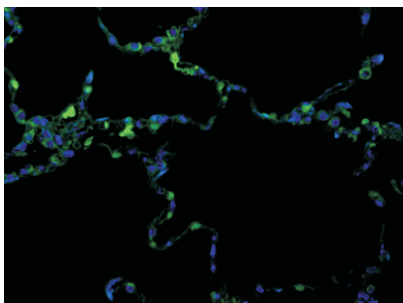
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Product Information



Immunohistochemistry-Anti- p-AKT (T308) pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti- p-AKT (T308) Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti- p-AKT (T308) pAb

Immunofluorescence analysis of paraffin-embedded human lung cancer using anti- p-AKT (T308) Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0