

AKT2 Polyclonal Antibody

Catalog NumberPA5-13762

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Mouse
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Immunogen	KLH conjugated synthetic peptide between 452-481 amino acids from human AKT2	Western Blot (WB)	1:1,000
		Immunocytochemistry (ICC/IF)	1:10-1:50
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with mouse and rat based on sequence homology.

Background/Target Information

Akt, protein kinase B (PKB), is a serine/threonine kinase, which is involved in many cellular signaling pathways and acts as a transducer of many functions initiated by growth factor receptors that activate phosphatidylinositol 3-kinase (PI 3-kinase). Akt2 is amplified and overexpressed in some human cancers.

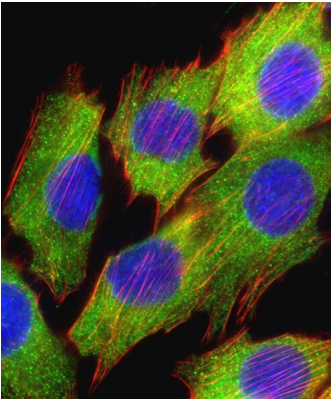
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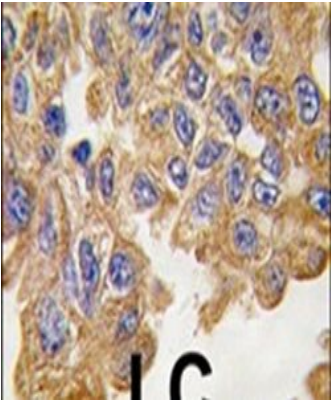
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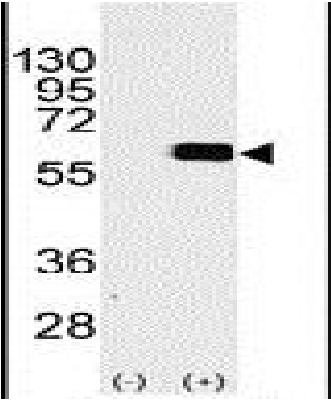
Product Images For AKT2 Polyclonal Antibody



**AKT2 Antibody (PA5-13762) in ICC/IF**  
Immunofluorescent analysis of C2C12 cells stained with an AKT2 polyclonal antibody (Product # PA5-13762). C2C12 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with an AKT2 polyclonal antibody (Product # PA5-13762) (1:25, 1 hr at 37°C). Primary antibody was detected with fluor-conjugated donkey anti-rabbit secondary antibody (green) at 1:400 dilution for 50 min at 37°C. Actin filaments have been labeled with dye-conjugated phalloidin (red). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min).



**AKT2 Antibody (PA5-13762) in IHC**  
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung carcinoma tissue using an AKT2 polyclonal antibody (Product # PA5-13762), followed by HRP-conjugated secondary antibody and DAB staining.



**AKT2 Antibody (PA5-13762) in WB**  
Western blot analysis of AKT2 (arrow) using an AKT2 polyclonal antibody (Product # PA5-13762) in 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the AKT2 gene (Lane 2).

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