

Anti-PAK1 Rabbit pAb



WL01532

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-PAK1 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:200
	IF	1:200

Cellular localization Cytoplasm. Cell junction, focal adhesion.

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 p21-activated kinase (PAK) family of serine/threonine kinases is engaged in multiple cellular processes, including cytoskeletal reorganization, MAPK signaling, apoptotic signaling, control of phagocyte NADPH oxidase, and growth factor-induced neurite outgrowth. These proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling, and they serve as targets for the small GTP binding proteins Cdc42 and Rac. Binding of Rac/Cdc42 to the CRIB (or PBD) domain near the amino terminus of PAK causes autophosphorylation and conformational changes in PAK. Phosphorylation of PAK1 at Thr423 by PDK induces activation of PAK1. Several autophosphorylation sites have been identified, including Ser199 and Ser204 of PAK1 and Ser192 and Ser197 of PAK2.

Immunogen Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PAK1.

Purification Polyclonal antibody was purified by immunogen affinity chromatography.

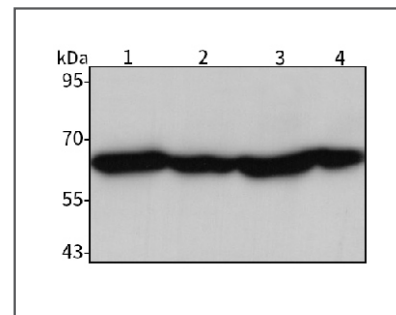
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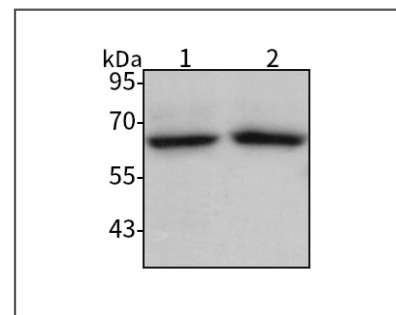
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Product Images



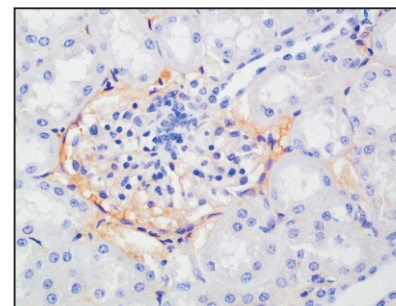
Western blot-Anti-PAK1 pAb

Lane 1: Human SH-SY5Y cell lysate
Lane 2: Human Hela cell lysate
Lane 3: Human CAL-27 cell lysate
Lane 4: Human Raji cell lysate
All lanes: Anti-PAK1 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 62 kDa
 Observed band size: 62 kDa



Western blot-Anti-PAK1 pAb

Lane 1: Mouse kidney tissue lysate
Lane 2: Rat liver tissue lysate
All lanes: Anti-PAK1 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 62 kDa
 Observed band size: 62 kDa



Immunohistochemistry-Anti-PAK1 pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-PAK1 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

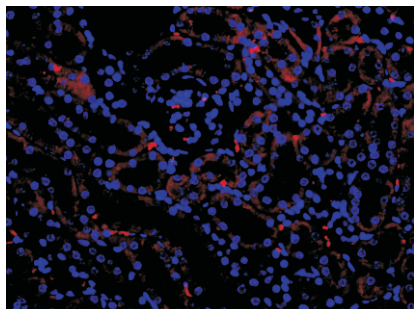
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Immunofluorescence-Anti-PAK1 pAb

Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-PAK1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0