

PAK4 antibody

Product Information

Catalog No.:	FNab06123
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, growth, proliferation or cell survival. Activation by various effectors including growth factor receptors or active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates and inactivates the protein phosphatase SSH1, leading to increased inhibitory phosphorylation of the actin binding/depolymerizing factor cofilin. Decreased cofilin activity may lead to stabilization of actin filaments. Phosphorylates LIMK1, a kinase that also inhibits the activity of cofilin. Phosphorylates integrin beta5/ITGB5 and thus regulates cell motility. Phosphorylates ARHGEF2 and activates the downstream target RHOA that plays a role in the regulation of assembly of focal adhesions and actin stress fibers. Stimulates cell survival by phosphorylating the BCL2 antagonist of cell death BAD. Alternatively, inhibits apoptosis by preventing caspase-8 binding to death domain receptors in a kinase independent manner. Plays a role in cell-cycle progression by controlling levels of the cell-cycle regulatory protein CDKN1A and by phosphorylating RAN.

Immunogen information

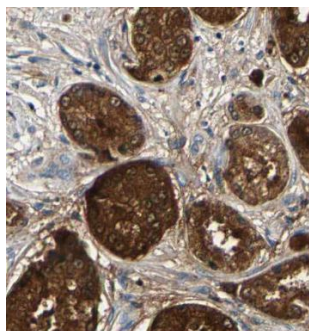
Immunogen:	p21 protein(Cdc42/Rac)-activated kinase 4
Synonyms:	Serine/threonine-protein kinase PAK 4 p21-activated kinase 4 (PAK-4) PAK4 KIAA1142
Observed MW:	64 kDa
Uniprot ID :	O96013

Application

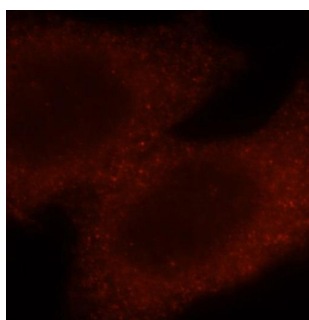
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

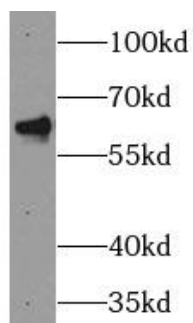
Image:



Immunohistochemistry of paraffin-embedded human prostate cancer using FNab06123(PAK4 antibody) at dilution of 1:100



Immunofluorescent analysis of Hela cells, using PAK4 antibody FNab06123 at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



COLO 320 cells were subjected to SDS PAGE followed by western blot with FNab06123(PAK4 antibody) at dilution of 1:800