





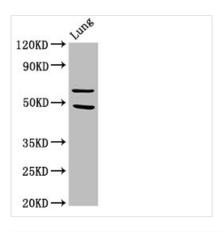
## PAK4 Antibody

Product Code         CSB-PA05437A0Rb           Storage         Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.           Uniprot No.         O96013           Immunogen         Recombinant Human Serine/threonine-protein kinase PAK 4 protein (1-426AA)           Ralsed In         Rabbit           Species Reactivity         Human, Rat           Tested Applications         ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:200-1:500           Relevance         Serine/threonine protein kinase that plays a role in a variety of different signalin 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 coflin. Decreased coflin activity may lead to stabilization of actin filaments. Phosphorylates LIMK1, a kinase that also inhibits the activity of coflins. Phosphorylates LIMK1, a kinase that also inhibits the activity of coflins. Phosphorylates LIMK1, a kinase that also inhibits the activity of coflins. Phosphorylates LIMK1, a kinase that 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 CDKN14 and by phosphorylating RAN.           Form         Liquid </th <th></th> <th></th>		
Uniprot No.         O96013           Immunogen         Recombinant Human Serine/threonine-protein kinase PAK 4 protein (1-426AA)           Raised In         Rabbit           Species Reactivity         Human, Rat           Tested Applications         ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:5000, IHC:1:200-1:500           Relevance         Serine/threonine protein kinase that plays a role in a variety of different signalin 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 integrin beta5/ITGB5 and thus regulates cell molitify. Phosphorylates ILIMK1, a kinase that also inhibits the activity of offilin. Phosphorylates 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.           Form         Liquid           Conjugate         Non-conjugated           Storage Buffer         Preservative: 0.03% Proclin 300 Constituents: 50% Glyce	Product Code	CSB-PA05437A0Rb
Immunogen         Recombinant Human Serine/threonine-protein kinase PAK 4 protein (1-426AA)           Raised In         Rabbit           Species Reactivity         Human, Rat           Tested Applications         ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:5000, IHC:1:200-1:500           Relevance         Serine/threonine protein kinase that plays a role in a variety of different signalin pathways including cytoskeleton regulation, cell migration, growth, proliferation or cell survival. Activation by various effectors including growth facting growth f	Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
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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 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.  Form Liquid  Conjugate Non-conjugated  Storage Buffer Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4  Purification Method >95%, Protein G purified  Isotype IgG  Clonality Polyclonal  Alias Serine/threonine-protein kinase PAK 4 (EC 2.7.11.1) (p21-activated kinase 4) (PAK-4), PAK4, KIAA1142  Species Human  Research Area Cell Biology  Target Names	Tested Applications	
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(PAK-4), PAK4, KIAA1142  Species Human  Research Area Cell Biology  Target Names PAK4	Clonality	Polyclonal
Research Area Cell Biology Target Names PAK4	Alias	. , , ,
Target Names PAK4	Species	Human
	Research Area	Cell Biology
Image	Target Names	PAK4
	Image	

## **CUSABIO TECHNOLOGY LLC**







Western Blot

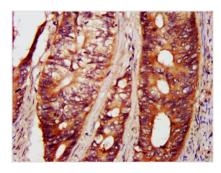
Positive WB detected in: Rat lung tissue All lanes: PAK4 antibody at 3.2µg/ml

Secondary

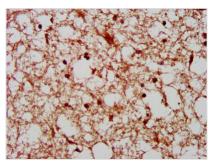
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 65, 48, 49, 55 kDa

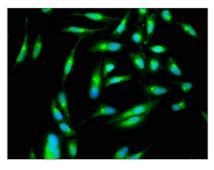
Observed band size: 65 kDa



IHC image of CSB-PA05437A0Rb diluted at 1:800 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC image of CSB-PA05437A0Rb diluted at 1:800 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of Hela cells with CSB-PA05437A0Rb at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).