

Rabbit Pkn1 Polyclonal Antibody | anti-Pkn1 antibody

Anti-Pkn1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254340	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Western Blot

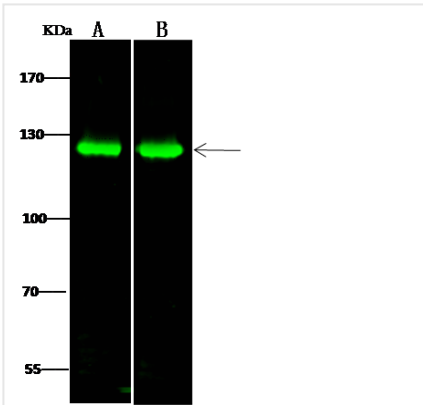
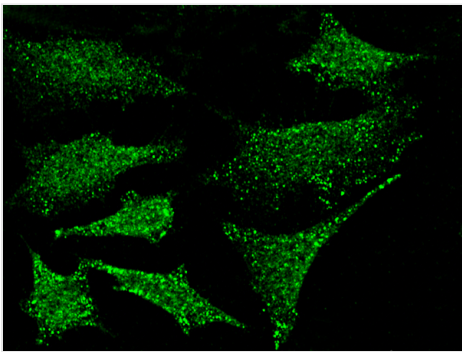
PRODUCT SYNONYMS

Pkn1; Polyclonal Antibody; Anti-Pkn1 Antibody; Rabbit Polyclonal; Pkn1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-DBK Antibody; Anti-PAK-1 Antibody; Anti-PAK1 Antibody; Anti-PKN Antibody; Anti-PKN-ALPHA Antibody; Anti-PRK1 Antibody; Anti-PRKCL1 Antibody; anti-Pkn1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Pkn1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Pkn1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human Pkn1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human Pkn1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of PKN1 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-HUMAN PKN1 polyclonal antibody (dilution ratio 1:300) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm and nucleus.

WB (Western Blot)
Anti-PKN1 rabbit polyclonal antibody at 1:500 dilution Lane A: K562 Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 104 kDa Observed band size: 125 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Pkn1 antibody	SiRNA of Pkn1, a Rho-GTPase effector protein kinase, suppressed TNFalpha levels as well as Pkn1 expression, suggesting that Pkn1 is involved in TNFalpha signaling. In vitro kinase assays with Escherichia coli-derived glutathione S-transferase fusion proteins showed autophosphorylation of Pkn1 and PknD, indicating that they are functional kinases. Immunoprecipitated native chlamydial Pkn1 and PknD proteins also showed autophosphorylation in an in vitro kinase assay. Phosphoamino acid analysis by thin-layer chromatography confirmed that Pkn1 and PknD are phosphorylated on both serine and threonine residues. Interaction of Pkn1 and PknD with each other, as well as interaction of Pkn1 with inclusion membrane protein G (IncG), was demonstrated by using a bacterial two-hybrid system.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47132589
NCBI GeneID	5585
NCBI Accession #	NP_002732.3
NCBI GenBank Nucleotide #	NM_002741.3
UniProt Accession #	Q16512; Q15143; Q504U4; Q8IUU5; Q9UD44; A8K7W5; B2R9R4; B3KVN3
Molecular Weight	103,932 Da
NCBI Official Full Name	serine/threonine-protein kinase N1 isoform 2
NCBI Official Synonym Full Names	protein kinase N1
NCBI Official Symbol	PKN1
NCBI Official Synonym Symbols	DBK; PKN; PAK1; PRK1; PAK-1; PRKCL1; PKN-ALPHA
NCBI Protein Information	serine/threonine-protein kinase N1; protein kinase C-like 1; protein kinase PKN-alpha; protein kinase C-like PKN; serine-threonine kinase N; protease-activated kinase 1; protein kinase C-related kinase 1; protein-kinase C-related kinase 1; serine-threonin
UniProt Protein Name	Serine/threonine-protein kinase N1
UniProt Gene Name	PKN1
UniProt Synonym Gene Names	PAK1; PKN; PRK1; PRKCL1; PAK-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkn1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/254340>