

Rabbit anti-Human PRK2 Polyclonal Antibody | anti-PRK2 antibody

PRK2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296695	Rabbit	Human	Immunohistochemistry, Western Blot

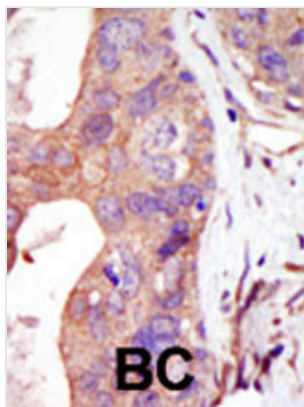
PRODUCT SYNONYMS

PRK2; Polyclonal Antibody; PRK2 Antibody (C-term); Serine/threonine-protein kinase N2; PKN gamma; Protein kinase C-like 2; Protein-kinase C-related kinase 2; PKN2; PRKCL2; anti-PRK2 antibody

PRODUCT SPECIFICATIONS

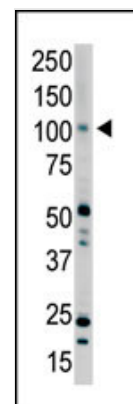
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This PRK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 627-658 amino acids from the C-terminal region of human PRK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-PRK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	627-658
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Dilution: IHC-P 1:50~100 Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Dilution: WB 1:1000 Western blot analysis of anti-PRK2 Pab (Cat. #AAA296695) in placenta lysate. PRK2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PRK2 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK). The calcium/calmodulin-dependent kinase (CAMK) group consists of 75 kinases regulated by Ca^{2+} /CaM and close relative family (CAMK, CAMKL, DAPK, MAPKAPK).
Product Categories/Family for anti-PRK2 antibody	Primary Antibodies ; Signal Transduction
References	Yu, W., et al., J. Biol. Chem. 272 (15):10030-10034 (1997). Palmer, R.H., et al., FEBS Lett. 356 (1):5-8 (1994). Palmer, R.H., et al., Eur. J. Biochem. 227 (1-2), 344-351 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453974
NCBI GeneID	5586
NCBI Accession #	NP_006247.1
NCBI GenBank Nucleotide #	NM_006256.2
UniProt Accession #	Q16513 ; Q08AF4 ; Q9H1W4 ; B4DQ21 ; B4DTP5 ; B4DVG1 ; D3DT24
Molecular Weight	75,171 Da
NCBI Official Full Name	serine/threonine-protein kinase N2
NCBI Official Synonym Full Names	protein kinase N2
NCBI Official Symbol	PKN2
NCBI Official Synonym Symbols	PAK2; PRK2; STK7; Pak-2; PRKCL2; PRO2042
NCBI Protein Information	serine/threonine-protein kinase N2
UniProt Protein Name	Serine/threonine-protein kinase N2
UniProt Gene Name	PKN2
UniProt Synonym Gene Names	PRK2; PRKCL2
UniProt Entry Name	PKN2_HUMAN

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/prk2-antibody-immunohistochemistry-western-blot-elisa/296695>