

Rabbit anti-Human PKN beta Polyclonal Antibody | anti-PKN3 antibody

PKN beta Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286413	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

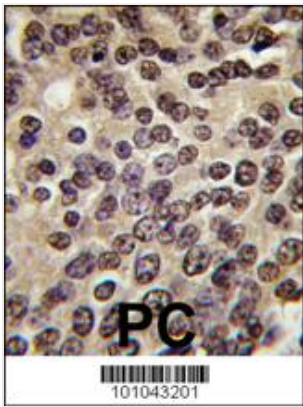
PRODUCT SYNONYMS

PKN beta; Polyclonal Antibody; PKN beta Antibody (C-term); Serine/threonine-protein kinase N3; Protein kinase PKN-beta; Protein-kinase C-related kinase 3; PKN3; PKNBETA; anti-PKN3 antibody

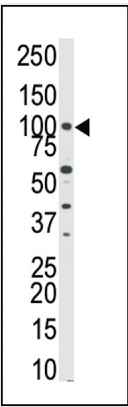
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKN beta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 463-492 amino acids from the C-terminal region of human PKN beta.
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.
Concentration	Vial Concentration: 1.93 (varies by lot)
Sequence Positions	463-492
Sequence Length	889
Applicable Applications for anti-PKN3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PKN beta antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-PKN-beta Pab in HeLa cell lysate. PKNbeta (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PKN3 antibody	PKN3, a protein kinase C-related molecule, mediates malignant cell growth downstream of activated PI3K. PKN3 is required for invasive prostate cell growth as assessed by 3D cell culture assays and in an orthotopic mouse tumor model by inducible expression of short hairpin RNA (shRNA). PKN3 is regulated by PI3K at both the expression level and the catalytic activity level. Therefore, PKN3 might represent a preferred target for therapeutic intervention in cancers that lack tumor suppressor PTEN function or depend on chronic activation of PI3K.
Product Categories/Family for anti-PKN3 antibody	Signal Transduction
References	Oishi, K., et al., Biochem. Biophys. Res. Commun. 261(3):808-814 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254851
NCBI GeneID	29941
NCBI Accession #	NP_037487.2
NCBI GenBank Nucleotide #	NM_013355.3
UniProt Accession #	Q6P5Z2; Q9UM03
Molecular Weight	99421
NCBI Official Full Name	serine/threonine-protein kinase N3
NCBI Official Synonym Full Names	protein kinase N3
NCBI Official Symbol	PKN3
NCBI Official Synonym Symbols	UTDP4-1
NCBI Protein Information	serine/threonine-protein kinase N3
UniProt Protein Name	Serine/threonine-protein kinase N3
UniProt Gene Name	PKN3
UniProt Synonym Gene Names	PKNBETA
UniProt Entry Name	PKN3_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/pkn-beta-antibody-immunohistochemistry-western-blot-elisa/286413>