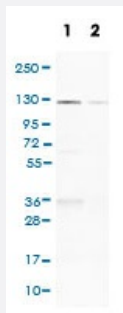


PKN1 polyclonal antibody

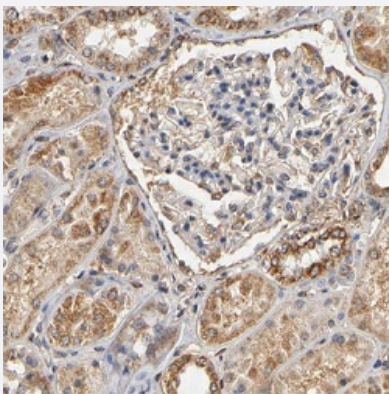
Catalog # PAB31028 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney shows strong cytoplasmic positivity in cells in tubules.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PKN1.
Immunogen	Recombinant protein corresponding to human PKN1.
Sequence	QKLGLLREALERRLGELPADHPKGRLLREELAAASSAAFSTRLAGPFPATHYSTLCKPAPLTGTL EVRVVGCRDLPETIPWNPTPSMGGPGTDSRPPFLSRPARGLYSRSGSLSGRSSLKAEAENTSE VS
Host	Rabbit
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).

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Gene Info — PKN1

Entrez GeneID	5585
Protein Accession#	Q16512
Gene Name	PKN1
Gene Alias	DBK, MGC46204, PAK1, PKN, PKN-ALPHA, PRK1, PRKCL1
Gene Description	protein kinase N1
Omim ID	601032
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene belongs to the protein kinase C superfamily. This kinase is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDPK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations

protein kinase C-like 1|protein kinase C-like PKN|protein kinase C-related kinase 1|serine-threonine kinase N|serine/threonine protein kinase N

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)