

Anti-PKN1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R010738

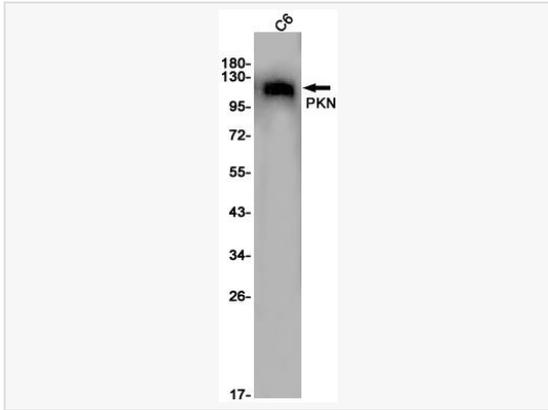
Product Information

Application	WB, ELISA
Reactivity	Rat
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	98L59L98
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human PKN
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PKN1 antibody [98L59L98] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	DBK, PKN, PAK1, PRK1, PAK-1, PRKCL1, PKN-ALPHA.
Calculated MW	Calculated MW: 104 kDa; Observed MW: 120 kDa
Uniprot ID	Q16512
Gene ID	5585
Background	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.

Validation Images



Western blot analysis of PKN in C6 lysates using PKN1 antibody.