

Product datasheet for **AM06733SU-N**

PBK Mouse Monoclonal Antibody [Clone ID: 2C8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2C8
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400. Immunofluorescence: 1/200 - 1/1000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human PBK expressed in E. Coli.
Specificity:	Recognizes PBK / TOPK
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	36 kDa
Gene Name:	PDZ binding kinase
Database Link:	Entrez Gene 55872 Human Q96KB5



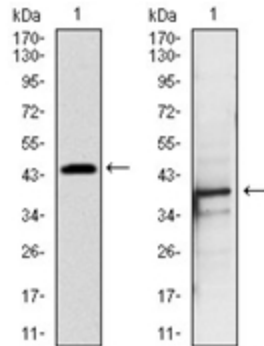
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Background:

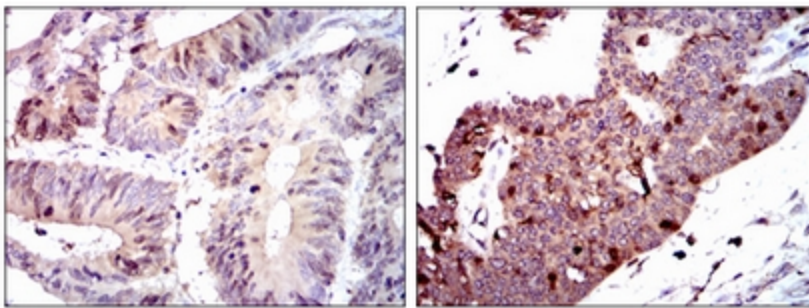
This genes encodes a serine/threonine kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. This mitotic kinase may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis.

Synonyms:

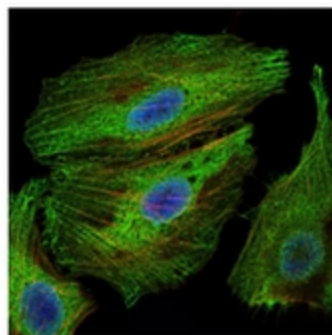
CT84, Nori-3, PDZ-binding kinase, SPK

Product images:


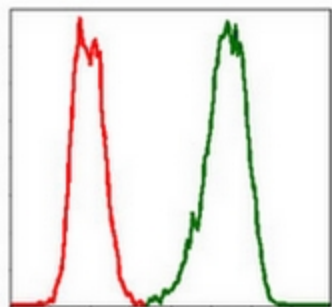
Western blot analysis using PBK antibody Cat.-No AM06733SU-N against Human PBK (AA: 50-230) recombinant protein (left) and against A431 (1) cell lysate (right).



Immunohistochemical analysis of paraffin-embedded colon cancer tissues (left) and ovarian cancer tissues (right) using PBK antibody Cat.-No AM06733SU-N with DAB staining.



Immunofluorescence analysis of HeLa cells using PBK antibody Cat.-No AM06733SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometric analysis of HeLa cells using PBK antibody Cat.-No AM06733SU-N (green) and negative control (red).