
Product Name: PRK2 Mouse Monoclonal Antibody**Catalog #: AMM81025**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	140kDa

Antigen Information

Gene Name	PRK2
Alternative Names	PKN2; PAK2; PRK2; Pak-2; PRKCL2; PRO2042; MGC71074; MGC150606
Gene ID	5586.0
SwissProt ID	Q16513
Immunogen	Purified recombinant fragment of human PRK2 expressed in E. Coli.

Background

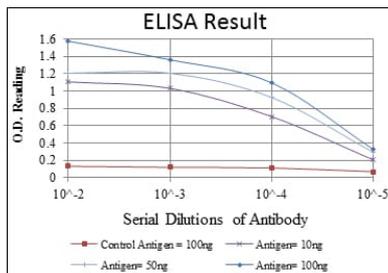
Protein-kinase-C-related kinases (PRKs) are part of the lipid-regulated protein kinases (PKC) which also include liver PAK & PKN. Human PRK1 and PRK2 share structurally similar catalytic domains, but less similar N-terminal regulatory regions suggesting different regulatory domain functions. PRK1 and PRK2, as well as a third member of this family, PRK3, show distinct

patterns of expression in adult tissues. Additionally, the serine-threonine kinase PRK2 can be specifically cleaved by caspase-3 (and/or caspase-3-like subfamily members) during apoptosis.

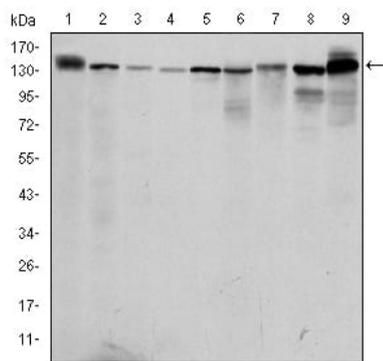
Research Area

Apoptosis, PI3K-Akt signaling pathway

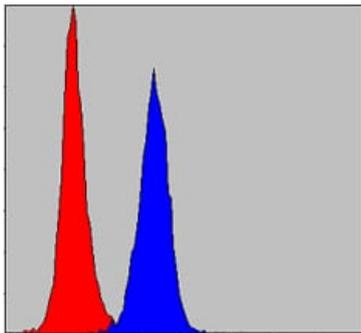
Image Data



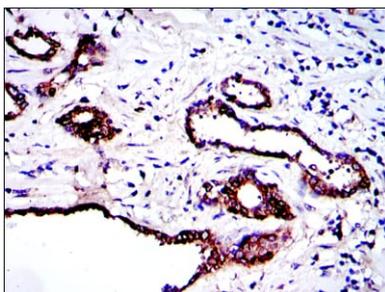
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



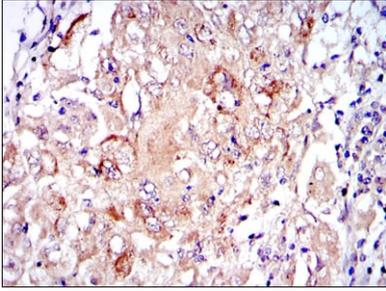
Western blot analysis using PRK2 mouse mAb against PC-12 (1), Cos7 (2), K562 (3), Jurkat (4), HeLa (5), A431 (6), C6 (7), NIH/3T3 (8) and HEK293 (9) cell lysate.



Flow cytometric analysis of NIH/3T3 cells using PRK2 mouse mAb (blue) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human prostate tissues using PRK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using PRK2 mouse mAb with DAB staining.