

Serine/Threonine-Protein Kinase N2 (PKN2) Antibody

Catalogue No.:abx011402



Western blot analysis using PRK2 antibody against human PRK2 (AA: 555-718) recombinant protein. (Expected MW is 43.9 kDa).



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



Immunohistochemical analysis of paraffin-embedded prostate tissues using PRK2 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded lung cancer tissues using PRK2 antibody with DAB staining.



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



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

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.

Target:	Serine/Threonine-Protein Kinase N2 (PKN2)
Clonality:	Monoclonal
Reactivity:	Human, Monkey, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human PRK2 expressed in E. coli.
Isotype:	lgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q16513 (<u>UniProt</u> , <u>ExPASy</u>)
GenelD:	5586
KEGG:	hsa:5586



String:	<u>9606.ENSP00000359552</u>
Molecular Weight:	140 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.