PRKG2 Rabbit pAb

Catalog NO.: A18575

Basic Information

Observed MW
100kDa

Calculated MW
87kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IP, ELISA

Cross-Reactivity
Mouse, Rat

Background

This gene encodes a protein that belongs to the serine/threonine protein kinase family of proteins. The encoded protein binds to and inhibits the activation of several receptor tyrosine kinases. The membrane-bound protein is a regulator of intestinal secretion, bone growth and renin secretion. Alternate splicing results in multiple transcript variants encoding distinct isoforms whose regulatory N-termini differ in length but whose C-terminal catalytic domains are identical.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

IP
0.5μg-4μg antibody for 400μg-600μg extracts of whole cells

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5593

Swiss Prot
Q13237

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
AMD4; PKG2; SMDP; cGK2; cGKII; PRKGR2; PRKG2

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

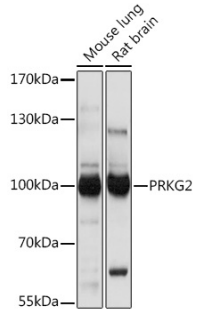
Source
Rabbit

Isotype
IgG

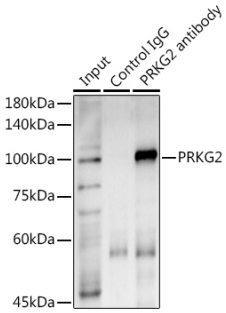
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using PRKG2 Rabbit pAb (A18575) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Immunoprecipitation analysis of 600 µg extracts of Mouse lung using 3 µg PRKG2 antibody (A18575). Western blot was performed from the immunoprecipitate using PRKG2 antibody (A18575) at a dilution of 1:1000.

For research use only. Not for therapeutic or diagnostic purposes.

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