Anti-PRKG2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104317

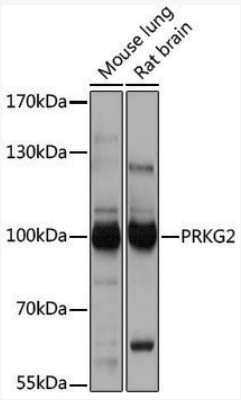
Product Information

Application	WB, IF (Cell)/ICC, IP, ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:500~1:2,000; IF 1:50~1:200; IP 0.5μg-4μg antibody for 400μg-600μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-160 of human PRKG2 (NP_006250.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
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-PRKG2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

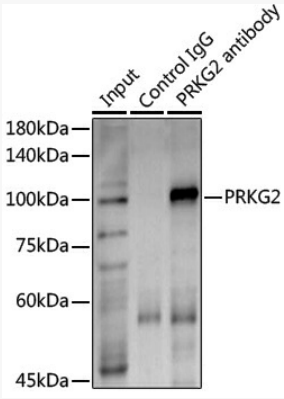
Protein Information

Synonyms	AMD4; PKG2; SMDP; cGK2; cGKII; PRKGR2; PRKG2.
Calculated MW	Calculated MW: 87 kDa; Observed MW: 100 kDa
Uniprot ID	Q13237
Gene ID	5593
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.

Validation Images



Western blot analysis of various lysates using PRKG2 Rabbit pAb (P104317) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.



Immunoprecipitation analysis of 600 µg extracts of Mouse lung using 3 µg PRKG2 antibody (P104317). Western blot was performed from the immunoprecipitate using PRKG2 antibody (P104317) at a dilution of 1:1000.