

# Product Datasheet

## PRKAG2 Antibody - BSA Free

### NBP1-89324

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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Updated 4/19/2026 v.20.1

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**NBP1-89324**

PRKAG2 Antibody - BSA Free

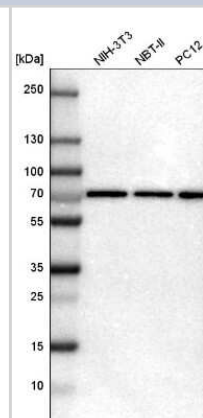
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	51422
Gene Symbol	PRKAG2
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: STPTQVTKQHTFPLESYKHEPERLENRIYASSSPDGTGQRFPCSSFQSPTRPP LASPTHYAPSKAAALAAALGPAEAGMLEKLEFEDEAVEDSESGVYMRFRSHK

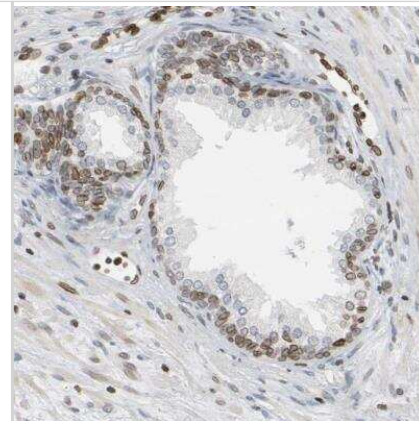
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

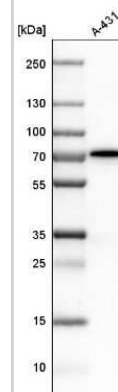
Western Blot: PRKAG2 Antibody [NBP1-89324] - Western blot analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



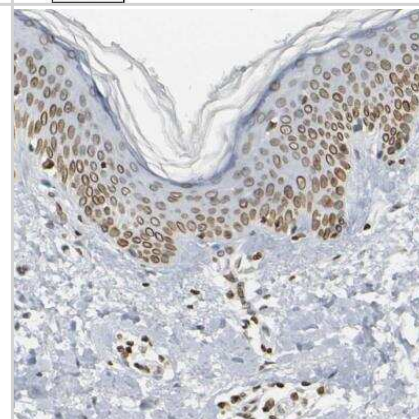
Immunohistochemistry-Paraffin: PRKAG2 Antibody [NBP1-89324] - Staining of human prostate shows moderate to strong positivity in nuclear membrane in glandular cells.



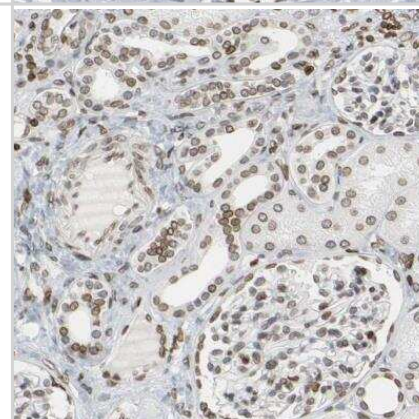
Western Blot: PRKAG2 Antibody [NBP1-89324] - Analysis in human cell line A-431.



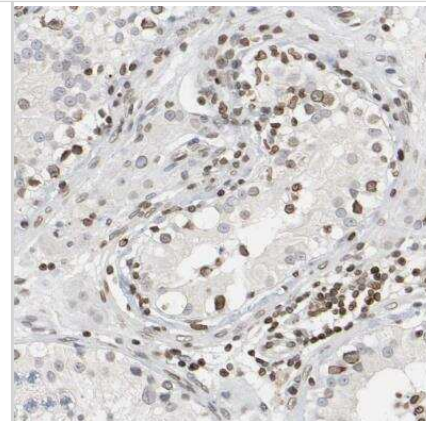
Immunohistochemistry-Paraffin: PRKAG2 Antibody [NBP1-89324] - Staining of human skin shows moderate to strong positivity in nuclear membrane in keratinocytes



Immunohistochemistry-Paraffin: PRKAG2 Antibody [NBP1-89324] - Staining of human kidney shows moderate to strong positivity in nuclear membrane in cells in tubules.



Immunohistochemistry-Paraffin: PRKAG2 Antibody [NBP1-89324] - Staining of human testis shows moderate to strong positivity in nuclear membrane in cells in seminiferous ducts.



## Publications

Li M, Wei X, Xiong J et al. Hierarchical inhibition of mTORC1 by glucose starvation-triggered AXIN lysosomal translocation and by AMPK *Life Metabolism* 2023-03-01 (Western Blot)

Tobias IS, Lazauskas KK, Arevalo JA et al. Fiber type-specific analysis of AMPK isoforms in human skeletal muscle: advancement in methods via capillary nano-immunoassay. *Journal of Applied Physiology* 2017-12-14 [PMID: 29357518] (Human)

Pinter K, Jefferson A, Czibik G et al. Subunit composition of AMPK trimers present in the cytokinetic apparatus: Implications for drug target identification. *Cell Cycle* 2012-03-01 [PMID: 22333580]

Martianez T, Frances S, Lopez JM et al. Generation of digital responses in stress sensors. *J Biol Chem* 2009-09-01 [PMID: 19570986]



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### **Products Related to NBP1-89324**

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NBP1-89324PEP	PRKAG2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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