

# 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.

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**NBP1-89324**

PRKAG2 Antibody - BSA Free

**Product Information**

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

**Product Description**

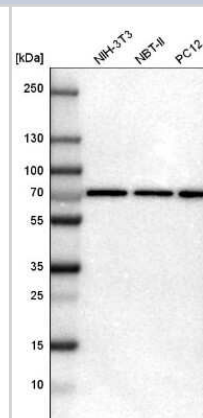
<b>Description</b>	Novus Biologicals Rabbit PRKAG2 Antibody - BSA Free (NBP1-89324) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PRKAG2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	51422
<b>Gene Symbol</b>	PRKAG2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: STPTQVTKQHTEPLESYKHEPERLENRIYASSSPDGTGQRFCPSSFQSPTRPP LASPTHYAPSKAAALAAALGPAEAGMLEKLEFEDEAVEDSESGVYMRFMRSKH

**Product Application Details**

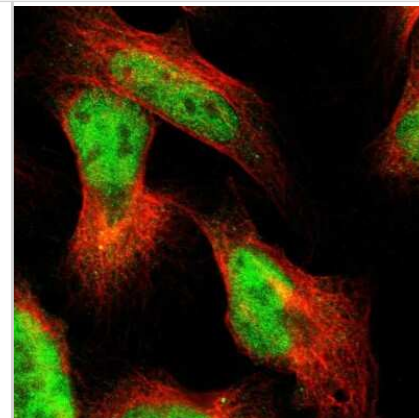
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin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

**Images**

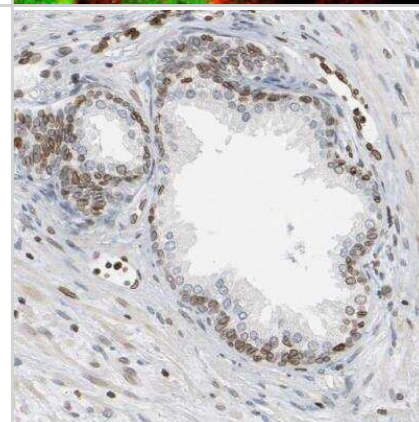
Western Blot: PRKAG2 Antibody [NBP1-89324] - Western blot analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



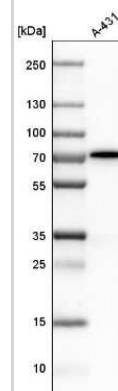
Immunocytochemistry/Immunofluorescence: PRKAG2 Antibody [NBP1-89324] - Staining of human cell line U-2 OS shows localization to nucleoplasm. Antibody staining is shown in green.



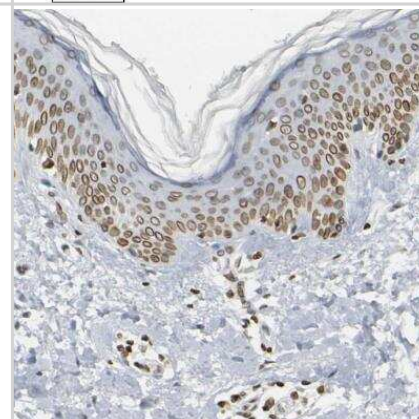
Immunohistochemistry-Paraffin: PRKAG2 Antibody [NBP1-89324] - Staining of human prostate shows moderate to strong positivity in nuclear membrane in glandular cells.



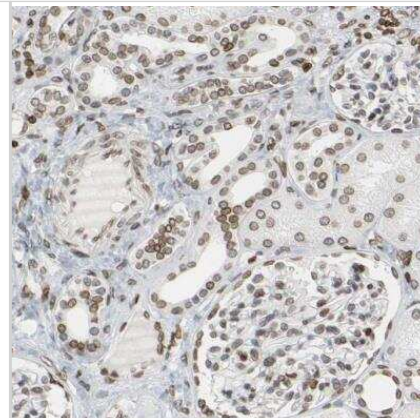
Western Blot: PRKAG2 Antibody [NBP1-89324] - Analysis in human cell line A-431.



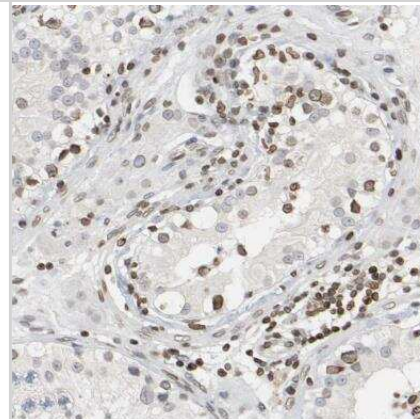
Immunohistochemistry-Paraffin: PRKAG2 Antibody [NBP1-89324] - Staining of human skin shows moderate to strong positivity in nuclear membrane in keratinocytes



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 cytoskeletal 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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