

WNK1 Rabbit mAb

Catalog No: #49911

Package Size: #49911-1 50ul #49911-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

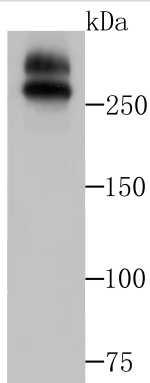
Description

Product Name	WNK1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG36-91
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide within Human WNK1 aa 100-200 (Cysteine residue).
Other Names	Erythrocyte 65 kDa protein antibody HSN2 antibody HSN2 antibody hWNK1 antibody KDP antibody KIAA0344 antibody Kinase deficient protein antibody MGC163339 antibody MGC163341 antibody p65 antibody PPP1R167 antibody PRKWNK1 antibody Prostate derived sterile 20 like kinase antibody Protein kinase lysine deficient 1 antibody Protein kinase lysine-deficient 1 antibody Protein kinase with no lysine 1 antibody Protein phosphatase 1, regulatory subunit 167 antibody PSK antibody Serine/threonine protein kinase WNK1 1 antibody Serine/threonine protein kinase WNK1 2 antibody Serine/threonine protein kinase WNK1 antibody Serine/threonine-protein kinase WNK1 antibody With no K antibody WNK lysine deficient protein kinase 1 antibody WNK lysine deficient protein kinase 1 isoform antibody WNK1 antibody WNK1_HUMAN antibody
Accession No.	Swiss-Prot#:Q9H4A3
Uniprot	Q9H4A3
GeneID	65125;
Calculated MW	250/300 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

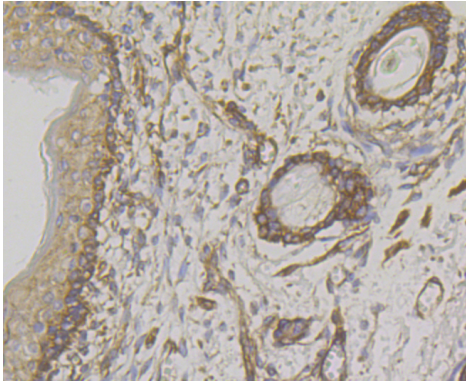
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200

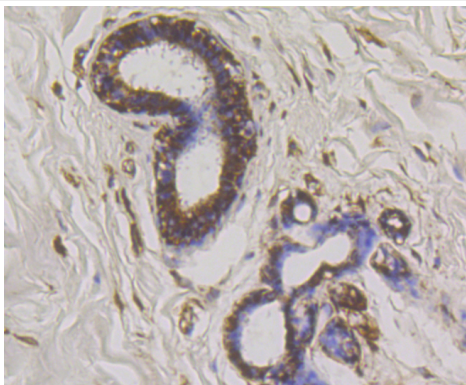
Images



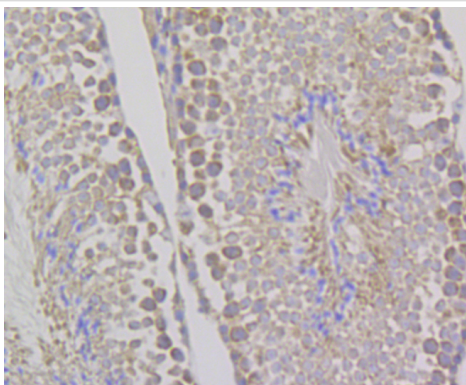
Western blot analysis of WNK1 on A549 cell lysates using anti-WNK1 antibody at 1/1,000 dilution.



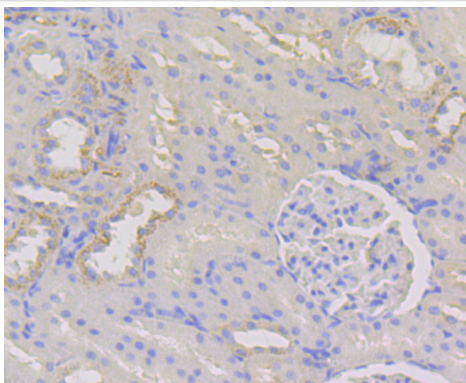
Immunohistochemical analysis of paraffin-embedded human skin tissue using anti-WNK1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-WNK1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-WNK1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-WNK1 antibody. Counter stained with hematoxylin.

Background

Serine/threonine kinase which plays an important role in the regulation of electrolyte homeostasis, cell signaling, survival, and proliferation. Acts as an activator and inhibitor of sodium-coupled chloride cotransporters and potassium-coupled chloride cotransporters respectively. Activates SCNN1A, SCNN1B, SCNN1D and SGK1. Controls sodium and chloride ion transport by inhibiting the activity of WNK4, by either phosphorylating the kinase or via an interaction between WNK4 and the autoinhibitory domain of WNK1. WNK4 regulates the activity of the thiazide-sensitive Na-Cl cotransporter, SLC12A3, by phosphorylation. WNK1 may also play a role in actin cytoskeletal reorganization. Phosphorylates NEDD4L. Acts as a scaffold to inhibit SLC4A4, SLC26A6 as well as CFTR activities and surface expression, recruits STK39 which mediates the inhibition.

References

Note: This product is for in vitro research use only