

Rabbit anti-Human WNK4 Polyclonal Antibody | anti-WNK4 antibody

WNK4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231364	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

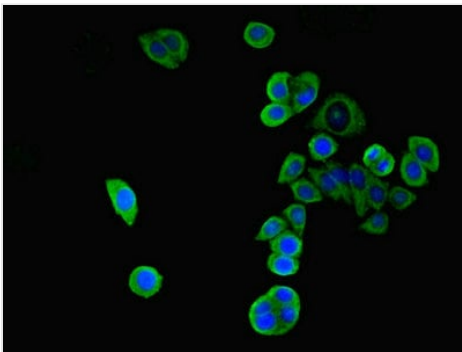
PRODUCT SYNONYMS

WNK4; Polyclonal Antibody; WNK4 Antibody; Serine/threonine-protein kinase WNK4; Protein kinase lysine-deficient 4; Protein kinase with no lysine 4; PRKWNK4; anti-WNK4 antibody

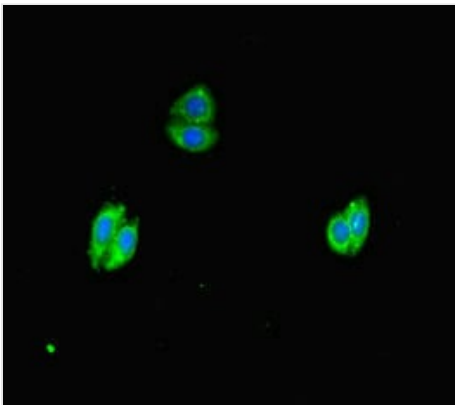
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1243
Applicable Applications for anti-WNK4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Serine/threonine-protein kinase WNK4 protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-20474 / sc-20475
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

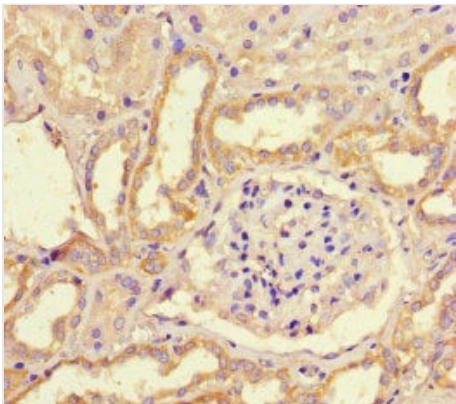
IMAGES



IHC (Immunohistochemisry)
Immunofluorescent analysis of PC3 cells cells using AAA231364 at a dilution of 1:100 and Alexa Fluor 488-conugated AffiniPure Goat Anti-Rabbit IgG(H+L



IF (Immunofluorescence)
Immunofluorescent analysis of HepG2 cells using AAA231364 at a dilution of 1:100 and Alexa Fluor 488-conugated AffiniPure Goat Anti-Rabbit IgG(H+L



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney tissue using AAA231364 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-WNK4 antibody	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, SGK1, TRPV5 and TRPV6. Regulates the activity of the thiazide-sensitive Na-Cl cotransporter, SLC12A3, by phosphorylation which appears to prevent membrane trafficking of SLC12A3. Also inhibits the renal K(+) channel, KCNJ1, via a kinase-independent mechanism by which it induces clearance of the protein from the cell surface by clathrin-dependent endocytosis. WNK4 appears to act as a molecular switch that can vary the balance between NaCl reabsorption and K(+) secretion to maintain integrated homeostasis. Phosphorylates NEDD4L. Acts as a scaffold to inhibit SLC4A4 as well as CFTR activities and surface expression, recruits STK39 which mediates the inhibition (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34365793
NCBI GeneID	65266
NCBI Accession #	NP_115763.2
NCBI GenBank Nucleotide #	NM_032387.4
UniProt Accession #	Q96J92; Q8N8X3; Q8N8Z2; Q96DT8; Q9BYS5; B0LPI0
Molecular Weight	126,577 Da

NCBI Official Full Name	serine/threonine-protein kinase WNK4 isoform 1
NCBI Official Synonym Full Names	WNK lysine deficient protein kinase 4
NCBI Official Symbol	WNK4
NCBI Official Synonym Symbols	PHA2B; PRKWNK4
NCBI Protein Information	serine/threonine-protein kinase WNK4
UniProt Protein Name	Serine/threonine-protein kinase WNK4
UniProt Gene Name	WNK4
UniProt Synonym Gene Names	PRKWNK4
UniProt Entry Name	WNK4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wnk4-antibody-immunofluorescence-immunohistochemistry-elisa/231364>