

Rabbit WNK1 Polyclonal Antibody | anti-WNK1 antibody

Anti-WNK1 Antibody

CATALOG # AAA46628	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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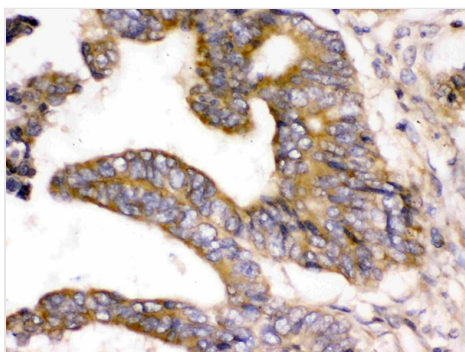
PRODUCT SYNONYMS

WNK1; Polyclonal Antibody; Anti-WNK1 Antibody; HSN2; HSN2; KDP; Kinase deficient protein; p65; PRKWNK1; PSK; WNK 1; Q9H4A3; Serine/threonine-protein kinase WNK1; WNK lysine deficient protein kinase 1; anti-WNK1 antibody

PRODUCT SPECIFICATIONS

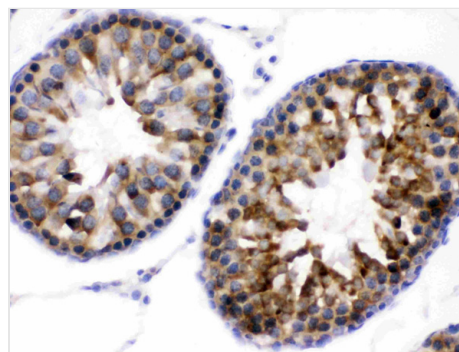
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	2642
Applicable Applications for anti-WNK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human WNK1 (1154-1195aa DNPEEIATIMVNNDFILAIERESFVDQVREIIEKADEMLSED), different from the related mouse and rat sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



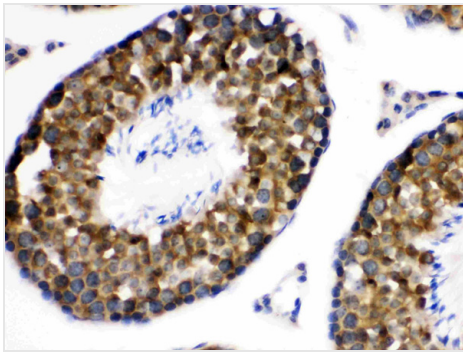
IHC (Immunohistochemistry)

WNK1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti-WNK1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



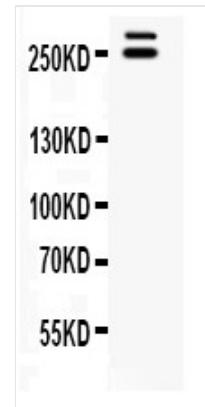
IHC (Immunohistochemistry)

WNK1 was detected in paraffin-embedded sections of rat testis tissues using rabbit anti-WNK1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

WNK1 was detected in paraffin-embedded sections of mouse testis tissues using rabbit anti-WNK1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of WNK1 expression in rat testis extract (lane 1). WNK1 at 250KD was detected using rabbit anti- WNK1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-WNK1 antibody	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase WNK1 (WNK1) detection. Background: WNK lysine deficient protein kinase 1, also known as WNK1, is an enzyme that in humans is encoded by the WNK1 gene. The human gene is located on short arm of chromosome 12 (12p13.3). This gene encodes a member of the WNK subfamily of serine/threonine protein kinases. The encoded protein may be a key regulator of blood pressure by controlling the transport of sodium and chloride ions. Mutations in this gene have been associated with pseudohypoaldosteronism type II and hereditary sensory neuropathy type II. Alternatively spliced transcript variants encoding different isoforms have been described but the full-length nature of all of them has yet to be determined.
References	1. "Entrez Gene: WNK1 WNK lysine deficient protein kinase 1". 2. Disse-Nicodème S, Achard JM, Desitter I, et al. (2000). "A new locus on chromosome 12p13.3 for pseudohypoaldosteronism type II, an autosomal dominant form of hypertension.". Am. J. Hum. Genet. 67 (2): 302-10. 3. Shekarabi M, Girard N, Rivière JB, et al. (July 2008). "Mutations in the nervous system--specific HSN2 exon of WNK1 cause hereditary sensory neuropathy type II". J Clin Invest. 118 (7): 2496-2505.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296939600
NCBI GeneID	65125
NCBI Accession #	NP_001171914.1
NCBI GenBank Nucleotide #	NM_001184985.1
UniProt Accession #	Q9H4A3 ; O15052 ; P54963 ; Q4VBX9 ; Q6IFS5 ; Q86WL5 ; Q8N673 ; A1L4B0 ; C5HTZ5 ; C5HTZ6 ; C5HTZ7 ; H6WZW3
Molecular Weight	299,725 Da
NCBI Official Full Name	serine/threonine-protein kinase WNK1 isoform 4
NCBI Official Synonym Full Names	WNK lysine deficient protein kinase 1
NCBI Official Symbol	WNK1
NCBI Official Synonym Symbols	KDP; PSK; p65; HSN2; HSN2; PRKWKN1; PPP1R167
NCBI Protein Information	serine/threonine-protein kinase WNK1
UniProt Protein Name	Serine/threonine-protein kinase WNK1
UniProt Gene Name	WNK1
UniProt Synonym Gene Names	HSN2; KDP; KIAA0344; PRKWKN1; p65; hWNK1

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/wnk1-antibody-immunohistochemistry-western-blot-elisa/46628>