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**Product Name: WNK2 Rabbit Polyclonal Antibody****Catalog #: APRab19911**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ICC/IF
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	IHC 1:50-1:300,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	252kDa

**Antigen Information**

<b>Gene Name</b>	WNK2
<b>Alternative Names</b>	KIAA1760 PRKWNK2 SDCCAG43 P/OKcl.13
<b>Gene ID</b>	65268.0
<b>SwissProt ID</b>	Q9Y3S1
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 1120-1200

**Background**

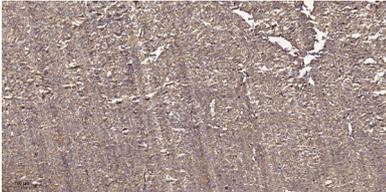
The protein encoded by this gene is a cytoplasmic serine-threonine kinase that belongs to the protein kinase superfamily. The protein plays an important role in the regulation of electrolyte homeostasis, cell signaling survival, and proliferation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013],catalytic activity:ATP + a protein = ADP + a

phosphoprotein.,caution:Cys-224 is present instead of the conserved Lys which is expected to be an active site residue. Lys-207 appears to fulfill the required catalytic function.,cofactor:Magnesium.,enzyme regulation:Activation requires autophosphorylation of Ser-356. Phosphorylation of Ser-352 also promotes increased activity.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. WNK subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Predominantly expressed in heart, brain and colon.,

## Research Area

Signal Transduction; Protein Phosphorylation; Ser / Thr Kinases; Epigenetics and Nuclear Signaling; Transcription; Cancer susceptibility; Tumor Suppressors

## Image Data



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,WNK2 Rabbit Polyclonal Antibody was diluted at 1:200 (4° overnight) . 2, Sodium citrate pH 6.0 was used for antigen retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 45min)