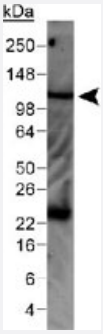
WNK4 polyclonal antibody

Catalog # PAB11980 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of WNK4 in mouse kidney lysate with WNK4 polyclonal antibody (Cat # PAB11980).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of WNK4.
Immunogen	A synthetic peptide corresponding to amino acids 200-300 of human WNK4.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to WNK4 protein.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- Western Blot (Tissue lysate)

  Western blot analysis of WNK4 in mouse kidney lysate with WNK4 polyclonal antibody (Cat # PAB11980).

Gene Info — WNK4

Entrez GeneID	65266
Gene Name	WNK4
Gene Alias	PHA2B, PRKWNK4
Gene Description	WNK lysine deficient protein kinase 4
Omim ID	145260 601844
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the WNK family of serine-threonine protein kinases. The kinase i s part of the tight junction complex in kidney cells, and regulates the balance between NaCl reabs orption and K(+) secretion. The kinase regulates the activities of several types of ion channels, cot ransporters, and exchangers involved in electrolyte flux in epithelial cells. Mutations in this gene re sult in pseudohypoaldosteronism type IIB
Other Designations	protein kinase, lysine deficient 4

Publication Reference

- Regulation of blood pressure, the epithelial sodium channel (ENaC), and other key renal sodium transporters by chronic insulin infusion in rats.

  Song J, Hu X, Riazi S, Tiwari S, Wade JB, Ecelbarger CA.

  American Journal of Physiology. Renal Physiology 2006 May; 290(5):F1055.

  Application: WB-Ti, Rat, Kidney, Cortex

- WNK4 regulates apical and basolateral Cl- flux in extrarenal epithelia.

  Kahle KT, Gimenez I, Hassan H, Wilson FH, Wong RD, Forbush B, Aronson PS, Lifton RP.

  PNAS 2004 Feb; 101(7):2064.

  Application: IF, WB-Ti, Human, Mouse, Kidney, Brain, Testis, Colon, Heart, Liver, Prostate, Lung, Breast, Ovary, Colon, Melanocytes, Muscle, Skin, Pancreas

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Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hyperlipidemias
- Hypertension
- Hypotension
- Pseudohypoaldosteronism
- Syndrome

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