

<b>Catalog Number:</b>	NB600-284SS
<b>Background:</b>	WNK kinases play an important role in hypertension. WNK4 localizes to both tight junctions and to a segment of kidney involved in salt, potassium, and pH homeostasis, the distal nephron.
<b>Alternate Names:</b>	Anti-PHA 2B antibody; Anti-PHA2B antibody; Anti-PRKWINK 4 antibody; Anti-PRKWINK4 antibody; Anti-Protein kinase lysine deficient 4 antibody; Anti-Protein kinase with no lysine 4 antibody; Anti-Serine/threonine protein kinase WNK4 antibody; Anti-WNK lysine deficient protein kinase 4 antibody
<b>Research Areas:</b>	33,147,0
<b>Immunogen:</b>	A synthetic peptide sequence made to a region of the human protein between residues 200-300.
<b>Specificity:</b>	NB 600-284 is specific for WNK4 protein.
<b>Localization:</b>	Cell junctions; tight junctions
<b>Species Reactivity:</b>	NB 600-284 can be used to detect mouse and human (very weakly) WNK4 protein.
<b>Uses:</b>	<p>This antibody is useful for Western blot where a band is seen at ~135-155 kD. No other applications have been tested.</p> <p>The investigator should determine the optimal dilution for a specific application.</p> <p>* Other applications have not been tested.</p>
<b>Dilutions:</b>	<p>Suggested working dilutions *</p> <p>Western Blot 2 ug/ml</p> <p>* Investigator should determine optimal working dilutions.</p>
<b>Positive Controls:</b>	Mouse kidney lysate
<b>Packaging:</b>	0.025 ml Rabbit antisera.
<b>Concentration:</b>	0.92 mg/ml
<b>Storage:</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Product Specific References:</b>	1. Song, J., Hu, X., Riazi, S., Tiwari, S., Wade, J. B., and Ecelbarger, C. A. (2006) Regulation of blood pressure, the epithelial sodium channel (ENaC), and other key renal sodium transporters by chronic insulin infusion in rats, 290, F1055-1064.
<b>Novus Specific References:</b>	1. Song, J., et al. Regulation of blood pressure, the epithelial sodium channel (ENaC) and other key renal sodium transporters by chronic insulin infusion in rats. Am. J. Physiol. Renal Physiol. 290:1055-1064, 2006. 2. Kahle, K.T., et al. WNK4 regulates apical and basolateral Cl <sup>-</sup> flux in extrarenal epithelia. PNAS. 101:2064-2069, 2004.
<b>General References:</b>	1. Wilson, F.H., et al. Science 293: 1107-1112 (2001)
<b>Gene Id:</b>	65266



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**Reference Sequence:** Q96J92