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Datasheet for ABIN668535
anti-WNK4 antibody (AA 351-450) (HRP)

Overview

Quantity:	100 µL
Target:	WNK4
Binding Specificity:	AA 351-450
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNK4 antibody is conjugated to HRP
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human WNK4
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

Target Details

Target:	WNK4
Alternative Name:	WNK4 (WNK4 Products)
Background:	Synonyms: PHA 2B, PHA2B, PRKWNK 4, PRKWNK4, Protein kinase lysine deficient 4, Protein

Target Details

kinase with no lysine 4, Serine/threonine protein kinase WNK4, WNK lysine deficient protein kinase 4, WNK4_HUMAN.

Background: 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.

Gene ID: 65266

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months