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Datasheet for ABIN920033

anti-WNK4 antibody (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	WNK4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNK4 antibody is conjugated to Alexa Fluor 555
Application:	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 kinase with no lysine 4, Serine/threonine protein kinase WNK4, WNK lysine deficient protein

Target Details

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: IF(IHC-P) 1:50-200

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: Sodium azide

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

Storage: -20 °C

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

Expiry Date: 12 months