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Datasheet for ABIN7169231
anti-WNK3 antibody (AA 1018-1181) (Biotin)

Overview

Quantity:	100 µg
Target:	WNK3
Binding Specificity:	AA 1018-1181
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNK3 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase WNK3 protein (1018-1181AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	WNK3
Alternative Name:	WNK3 (WNK3 Products)
Background:	Background: Serine/threonine kinase which plays an important role in the regulation of electrolyte homeostasis, cell signaling, survival and proliferation. Acts as an activator and

Target Details

inhibitor of sodium-coupled chloride cotransporters and potassium-coupled chloride cotransporters respectively (PubMed:16275913, PubMed:16275911, PubMed:16357011). Phosphorylates WNK4. Regulates the phosphorylation of SLC12A1 and SLC12A2. Increases Ca(2+) influx mediated by TRPV5 and TRPV6 by enhancing their membrane expression level via a kinase-dependent pathway (PubMed:18768590). Inhibits the activity of KCNJ1 by decreasing its expression at the cell membrane in a non-catalytic manner.

Aliases: KIAA1566 antibody, PRKWNK 3 antibody, PRKWNK3 antibody, Protein kinase lysine deficient 3 antibody, Protein kinase lysine-deficient 3 antibody, Protein kinase with no lysine 3 antibody, Serine/threonine protein kinase WNK3 antibody, Serine/threonine-protein kinase WNK3 antibody, WNK 3 antibody, WNK lysine deficient protein kinase 3 antibody, Wnk3 antibody, WNK3_HUMAN antibody

UniProt: [Q9BYP7](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.