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Datasheet for ABIN7169227

**anti-WNK2 antibody (AA 1177-1464) (Biotin)**

## Overview

Quantity:	100 µg
Target:	WNK2
Binding Specificity:	AA 1177-1464
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNK2 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase WNK2 protein (1177-1464AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	WNK2
Alternative Name:	WNK2 ( <a href="#">WNK2 Products</a> )
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. Activates SLC12A2, SCNN1A, SCNN1B, SCNN1D and SGK1 and inhibits SLC12A5. Negatively regulates the EGF-induced activation of the ERK/MAPK-pathway and the downstream cell cycle progression. Affects MAPK3/MAPK1 activity by modulating the activity of MAP2K1 and this modulation depends on phosphorylation of MAP2K1 by PAK1. WNK2 acts by interfering with the activity of PAK1 by controlling the balance of the activity of upstream regulators of PAK1 activity, RHOA and RAC1, which display reciprocal activity. Aliases: WNK2 antibody, KIAA1760 antibody, PRKWNK2 antibody, SDCCAG43 antibody, P/OKcl.13 antibody, Serine/threonine-protein kinase WNK2 antibody, EC 2.7.11.1 antibody, Antigen NY-CO-43 antibody, Protein kinase lysine-deficient 2 antibody, Protein kinase with no lysine 2 antibody, Serologically defined colon cancer antigen 43 antibody

UniProt: [Q9Y3S1](#)

Pathways: [Photoperiodism](#)

## 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.