

Datasheet for ABIN7169230
anti-WNK3 antibody (AA 1018-1181)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	WNK3
Binding Specificity:	AA 1018-1181
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNK3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

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, PRKWKN 3 antibody, PRKWKN3 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: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

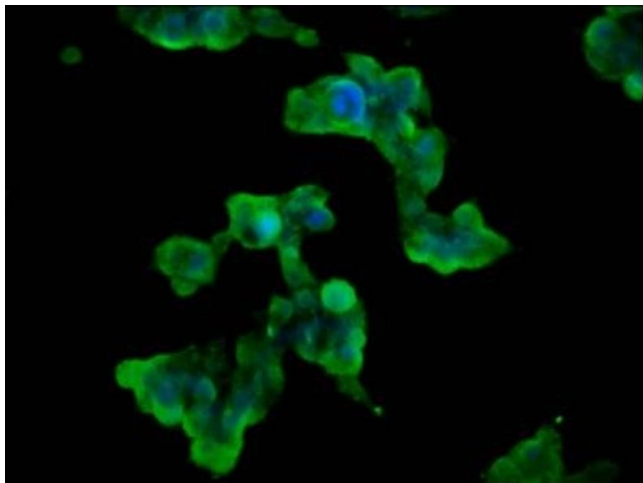
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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.



Immunofluorescence

Image 1. Immunofluorescence staining of 293 cells with ABIN7169230 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).