

WNK3 protein Antibody HRP Conjugated

Catalog No: #C03818H

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Description

Product Name	WNK3 protein Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 475-520 1800 derived from human WNK3 protein
Conjugates	HRP
Target Name	WNK3 protein
Other Names	PRKWINK3; Serine threonine-protein kinase WNK3; Protein kinase lysine-deficient 3; Protein kinase with no lysine 3; WNK3; KIAA1566
Accession No.	Swiss-Prot#Q9BYP7NCBI Gene ID65267
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% Gentamicin.
Storage	Store at 4C for 12 months.

Application Details

Immunohistochemistry1:100-500

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 inhibitor of sodium-coupled chloride cotransporters and potassium-coupled chloride cotransporters respectively. Phosphorylates WNK4. Regulates the phosphorylation of SLC12A1 and SLC12A2. Increases Ca²⁺ influx mediated by TRPV5 and TRPV6 by enhancing their membrane expression level via a kinase-dependent pathway. Inhibits the activity of KCNJ1 by decreasing its expression at the cell membrane in a non-catalytic manner. Isoform 1, isoform 2, isoform 3 and isoform 4 stimulate the activity of SLC12A1, SLC12A2 and SLC12A3 and inhibit the activity of SLC12A4, SLC12A5, SLC12A6 and SLC12A7. According to PubMed:19470686, isoform 1 inhibits the activity of SLC12A3.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.