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anti-WNK3 antibody (C-Term)

Images



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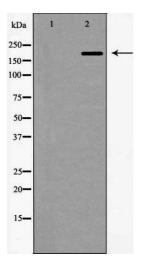
Target:

Quantity:	100 μL
Target:	WNK3
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNK3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human WNK3, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	WNK3 Antibody detects endogenous levels of total WNK3.
Predicted Reactivity:	Pig,Horse,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	

WNK3

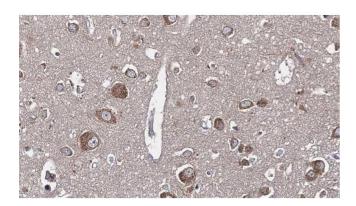
Target Details

Alternative Name:	WNK3 (WNK3 Products)
Background:	Description: 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 (PubMed:16275913, PubMed:16275911, PubMed:16357011).
	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 (PubMed:18768590). Inhibits the activity of KCNJ1 by decreasing
	its expression at the cell membrane in a non-catalytic manner.
	Gene: WNK3
Molecular Weight:	198kDa
Gene ID:	65267
UniProt:	Q9BYP7
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 $\%$ sodium azide 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. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of Mouse brain lysate, using WNK3 Antibody. The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6277649 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary