

Rabbit WNK3 Polyclonal Antibody | anti-WNK3 antibody

WKNK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327108	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

WNK3; Polyclonal Antibody; WNK3 Antibody; KIAA1566; PRKWKNK 3; PRKWKNK3; Protein kinase lysine deficient 3; Protein kinase lysine-deficient 3; Protein kinase with no lysine 3; Serine/threonine protein kinase WNK3; Serine/threonine-protein kinase WNK3; WNK 3; WNK lysine deficient protein kinase 3; Wnk3; WNK3_HUMAN; anti-WNK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	WNK3 antibody detects endogenous levels of total WNK3
Purity/Purification	Peptide Affinity Purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1743
Applicable Applications for anti-WNK3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human WNK3, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327108 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 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-WNK3 antibody	Description: This gene encodes a protein belonging to the 'with no lysine' family of serine-threonine protein kinases. These family members lack the catalytic lysine in subdomain II, and instead have a conserved lysine in subdomain I. This family member functions as a positive regulator of the transcellular Ca2+ transport pathway, and it plays a role in the increase of cell survival in a caspase-3-dependent pathway. Alternative splicing results in multiple transcript variants. Function: 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. Subunit Structure: Interacts with WNK1 and WNK4. Post-translational Modifications: Ubiquitinated by the BCR(KLHL2) complex, leading to its degradation. Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. WNK subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50845416
NCBI GeneID	65267
NCBI Accession #	NP_001002838.1
NCBI GenBank Nucleotide #	NM_001002838.3
UniProt Accession #	Q9BYP7; Q5JRC1; Q6JP76; Q8TCX6; Q9HCK6; B1AKG2
Molecular Weight	198 kDa
NCBI Official Full Name	serine/threonine-protein kinase WNK3 isoform 2
NCBI Official Synonym Full Names	WNK lysine deficient protein kinase 3
NCBI Official Symbol	WNK3
NCBI Official Synonym Symbols	PRKWNK3
NCBI Protein Information	serine/threonine-protein kinase WNK3
UniProt Protein Name	Serine/threonine-protein kinase WNK3
UniProt Gene Name	WNK3
UniProt Synonym Gene Names	KIAA1566ImportedManual assertion inferred from database entriesEMBL:BAB13392.1; PRKWNK3ImportedManual assertion inferred from database entriesHGNC:14543

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wnk3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327108>