



Rabbit Anti-WNK3 antibody

SL1945R

Product Name:	WNK3
Chinese Name:	丝氨酸/苏氨酸激酶家族成员的基因WNK3抗体
Alias:	Serine/threonine-protein kinase WNK3; WNK lysine deficient protein kinase 3; Protein kinase with no lysine 3; Protein kinase, lysine-deficient 3; Wnk3; RGD1563131; KIAA1566; PRKWINK 3; PRKWINK-3; PRKWINK3; Protein kinase lysine deficient 3; Protein kinase lysine-deficient 3; Serine/threonine-protein kinase WNK3; WNK 3; WNK3 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	198kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human WNK3 protein:451-550/1800<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	WNK3 (WNK lysine deficient protein kinase 3) belongs to the serine/threonine protein kinase family. It lacks the almost invariant catalytic lysine in subdomain II, which is

important for binding ATP in the catalytic site. A conserved lysine in subdomain I is thought to provide this function. WNK3 activates Na-(K)-Cl cotransporters by increasing their phosphorylation and appears to be a crucial component of the kinase/phosphatase signaling pathway that coordinately regulates the Cl⁻ influx and efflux branches of the SLC12A cotransporter family.

Subunit:

Interacts with WNK1 and WNK4.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed in brain, lung, kidney, liver and pancreas, and in fetal tissues including placenta, fetal brain, lung and kidney. Very low levels of expression were also detected in fetal heart, thymus, liver and spleen. Isoform 1 is brain-specific. Isoform 3 is kidney-specific.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. WNK subfamily.

Contains 1 protein kinase domain.

SWISS:

Q9BYP7

Gene ID:

65267

Database links:

[Entrez Gene: 65267](#)Human

[Omim: 300358](#)Human

[SwissProt: Q9BYP7](#)Human

[Unigene: 92423](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.