

For Research Use Only

# WNK3 Polyclonal antibody

Catalog Number:32231-1-AP



## Basic Information

<b>Catalog Number:</b> 32231-1-AP	<b>GenBank Accession Number:</b> NM_001002838	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 65267	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BYP7	
<b>Isotype:</b> IgG	<b>Full Name:</b> WNK lysine deficient protein kinase 3	
<b>Immunogen Catalog Number:</b> AG37713	<b>Calculated MW:</b> 1800aa, 198 kDa	
	<b>Observed MW:</b> 230 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HEK-293T cells
<b>Species Specificity:</b> human	

## Background Information

WNK3, is a member of the WNK (With No Lysine [K]) kinase family. It is a serine/threonine kinase that plays important roles in various physiological processes. WNK3 is 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. Endogenous WNK3 protein is an active protein kinase when immunoprecipitated from cells and its overexpression increases the survival of HeLa cells by delaying the onset of apoptosis (PMID:16501604).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

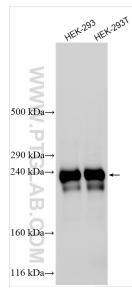
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32231-1-AP (WNK3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.