

# AB-PK857

## WNK1-pT2245 Antibody

Phosphosite-specific rabbit polyclonal antibody for WNK1



# KINEXUS

Website: [www.kinexus.ca](http://www.kinexus.ca)  
Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

### Target Protein

<b>Protein Name Long:</b>	Serine/threonine-protein kinase WNK2
<b>Protein Alias:</b>	HSAN2; HSN2; KDP; KIAA0344; MGC163339; MGC163341; p65; PRKWNK1; Protein kinase with no lysine 1; Protein kinase, lysine-deficient 1; PSK; PHA2C; CCDS8506.1; ENSG00000060237
<b>UniProt ID:</b>	Q9H4A3
<b>Protein Molecular Mass:</b>	299,725 Da (2833 AA; Q9H4A3-7); 279,713 Da (2642 AA; Q9H4A3-6); 279,538 Da (2634 AA; Q9H4A3-5); 250,794 Da (2382 AA; Q9H4A3); 225,560 Da (2135 AA; Q9H4A3-2); 206,646 Da (1975 AA; Q9H4A3-4)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human WNK1
<b>Antibody Immunogen Sequence:</b>	RKG(pT)FTD(bA)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues R2242 to D2248. The effect of T2245 phosphorylation is unclear. This is one of the major sites of <i>in vivo</i> phosphorylation of WNK1 based on $\geq 118$ reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus.
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
<b>Amount:</b>	25 $\mu$ g
<b>Antibody Concentration:</b>	0.65 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
<b>Storage Conditions:</b>	For long term storage, keep frozen at $-40^{\circ}\text{C}$ or lower. Stock solution can be kept at $+4^{\circ}\text{C}$ for more than 3 months. Avoid repeated freeze-thaw cycles.
<b>Storage Stability:</b>	>2 years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Chimpanzee   Rhesus Macaque   Dog   Rat   Mouse   Chicken   Zebra fish

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

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987