AB-NK252-2

WNK1-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase WNK1

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

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Serine/threonine-protein kinase WNK1
Alias:	HSAN2; HSN2; KDP; KIAA0344; MGC163339; MGC163341; p65; PRKWNK1; Protein kinase with no lysine 1; Protein kinase, lysine-deficient 1; PSK; PHA2C; CCDS8506.1; ENSG00000060237
UniProt ID:	Q9H4A3
Sequence Predicted Mass (KDa):	299.725 (2833 AA; Q9H4A3-7); 279.713 (2642 AA; Q9H4A3-6); 279.538 (2634 AA; Q9H4A3-5); 250.794 (2382 AA; Q9H4A3); 225.560 (2135 AA; Q9H4A3-2); 206.646 (1975 AA; Q9H4A3-4)
Observed SDS-PAGE Mass (KDa):	190, 250-400

Immunogen

Antibody Immunogen Source:	Human WNK1 sequence peptide Cat. No.: PE-01AYZ90
Antibody Immunogen Sequence:	CLETKAVGMSNDGRFL
Location in Target:	Corresponds to amino acid residues L207 to L221;
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep 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 each animal 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.
Antibody Amount:	25 µg
Antibody Concentration:	0.5 mg/ml
Lot Number:	140724
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting | Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Overall Antibody Specificity:	Very high selectivity