

AB-NK301-1 ZC2-CT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase ZC2 (TNIK)



KINEXUS

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Target Protein

Name Long:	TRAF2 and NCK-interacting kinase
Alias:	TNIK; KIAA0551; TRAF2 and NCK interacting kinase
UniProt ID:	Q9UKE5
Sequence Predicted Mass (kDa):	154.943 (1360 AA; Q9UKE5); 154.008 (1352 AA; Q9UKE5-4); 151.300 (1331 AA; Q9UKE5-2); 150.365 (1323 AA; Q9UKE5-6); 148.829 (1305 AA; Q9UKE5-3); 147.894 (1297 AA; Q9UKE5-7); 145.186 (1276 AA; Q9UKE5-5); 144.251 (1268 AA; Q9UKE5-8)
Observed SDS-PAGE Mass (kDa):	180-200

Immunogen

Antibody Immunogen Source:	Human ZC2 (TNIK) sequence peptide Cat. No.: PE-01BFN75, PE-01BFO65
Antibody Immunogen Sequence:	CGSSQVFFMTLNRNSMMNW
Location in Target:	Corresponds to amino acid residues G1343 to W1360; C-terminus
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 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 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:	160630
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
Antibody Cross Reactivities:	No significant cross-reactivities detected in various human cancer cell lines, including A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells. No cross-reactivities detected in diverse mouse tissues, except for a weak ~50 KDa protein in mouse skeletal muscle and thymus.

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)