

AB-NK019-3

CaMK2d-NT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase CaMK2d



KINEXUS

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Target Protein

Name Long:	Calcium/calmodulin-dependent protein-serine kinase 2 delta
Alias:	Calcium/calmodulin-dependent protein kinase II delta; Calcium/calmodulin-dependent protein kinase type II delta chain; CaM kinase II delta; CaMK2-delta; CAMKD; CaMK-II delta; CaM-kinase II delta; KCC2D; KCCD; MGC44911; CCDS3703.1; ENSG00000145349
UniProt ID:	Q13557
Sequence Predicted Mass (KDa):	59.152 (524 AA; Q13557-11); 58.472 (519 AA; Q13557-4); 57.901 (513 AA; Q13557-6); 57.620 (510 AA; Q13557-3); 56.369 (499 AA; Q13557); 56.230 (498 AA; Q13557-5); 55.660 (492 AA; Q13557-10); 55.378 (489 AA; Q13557-9); 54.128 (478 AA; Q13557-8); 54.114 (478 AA; Q13557-12)
Observed SDS-PAGE Mass (KDa):	50-55

Immunogen

Antibody Immunogen Source:	Human CaMK2d sequence peptide Cat. No.: PE-01BCI85
Antibody Immunogen Sequence:	CTRFTDEYQLFEELGKGAFS
Location in Target:	Corresponds to amino acid residues C7 to S26; N-terminus and kinase domain I, highly conserved in all CaMK2 isoforms
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 multipепeptide 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:	0.75 mg/ml
Lot Number:	160804
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
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

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)