

AB-NK275-2

MARK2-BCT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase MARK2



KINEXUS

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Target Protein

Name Long:	MAP/microtubule affinity-regulating protein-serine kinase 2
Alias:	ELKL motif kinase 1; EMK; EMK1; Kinase MARK2; MAP/microtubule affinity-regulating kinase 2; MGC99619; PAR-1; Par1b; PAR-1b
UniProt ID:	Q7KZI7
Sequence Predicted Mass (kDa):	87.911 (788 AA; Q7KZI7); 86.762 (779 AA; Q7KZI7-8); 86.129 (773 AA; Q7KZI7-11); 84.333 (755 AA; Q7KZI7-6); 83.184 (746 AA; Q7KZI7-3); 83.113 (745 AA; Q7KZI7-14); 82.551 (740 AA; Q7KZI7-12); 82.429 (734 AA; Q7KZI7-9); 81.280 (725 AA; Q7KZI7-4); 81.209 (724 AA; Q7KZI7-16); 80.647 (719 AA; Q7KZI7-5); 79.427 (709 AA; Q7KZI7-15); 78.851 (701 AA; Q7KZI7-2); 77.702 (692 AA; Q7KZI7-7); 77.631 (691 AA; Q7KZI7-13); 77.069 (686 AA; Q7KZI7-10)
Observed SDS-PAGE Mass (kDa):	80-90

Immunogen

Antibody Immunogen Source:	Human MARK2 sequence peptide Cat. No.: PE-01BDS80
Antibody Immunogen Sequence:	CGGNDKEKEEFREAKP
Location in Target:	Corresponds to amino acid residues G676 to P690; Pre-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:	160807
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

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)