

AB-PK684

LMR2-pS1450 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase LMR2



KINEXUS

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Target Protein

Name Long:	Serine/threonine-protein kinase LMTK2
Alias:	LMTK2; 2900041G10Rik; AATYK2; BREK; CDK5,p35-regulated kinase; Cprk; KIAA1079; Kinase LMR2; Kinase phosphatase inhibitor 2
UniProt ID:	Q8IWU2
Sequence Predicted Mass (kDa):	164.900 (1503 AA; Q8IWU2)
Observed SDS-PAGE Mass (kDa):	150-175

Immunogen

Antibody Immunogen Source:	Human LMR2 sequence peptide Cat. No.: PE-04ANL95
Antibody Immunogen Sequence:	KYF(pS)PPP(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues K1447 to P1453; Near the C-terminus of the protein kinase.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-1450

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150305
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
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in HeLa and T98G cells, except for a weak cross-reactive protein of ~75 KDa in FBS-treated HeLa cells..

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)