

AB-PK589

Csk-pY184 Antibody

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



KINEXUS

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Target Protein

Name Long:	C-terminus of Src tyrosine kinase
Alias:	CYL; MGC117393; MPK-2; CCDS10269.1; ENSG00000103653
UniProt ID:	P41240
Sequence Predicted Mass (KDa):	50.704 (450 AA; P41240)
Observed SDS-PAGE Mass (KDa):	50-52

Immunogen

Antibody Immunogen Source:	Human Csk sequence peptide Cat. No.: PE-04AGJ95
Antibody Immunogen Sequence:	DEF(pY)RSG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues D181 to G187; In the region between the SH2 domain and the protein kinase catalytic domain
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-184

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:	150101
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
Antibody Positive Controls:	Medium immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Very strong immunoreactivity of a target-sized protein by Western blotting in A431 cells.
Overall Antibody Specificity:	Medium selectivity
Antibody Cross Reactivities:	Strong ~76 KDa cross-reactive protein detected in A431, HeLa and Jurkat cells, as well as a strong ~180 KDa cross-reactive protein in Jurkat cell.

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)