

AB-PK686

LOK-pT952 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase LOK



KINEXUS

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Target Protein

Name Long:	Lymphocyte-oriented protein-serine kinase; Serine-threonine-protein kinase 10
Alias:	GEK2; STK10; Lymphocyte-oriented kinase; PRO2729
UniProt ID:	O94804
Sequence Predicted Mass (KDa):	112.135 (968 AA; O94804)
Observed SDS-PAGE Mass (KDa):	120-140

Immunogen

Antibody Immunogen Source:	Human LOK sequence peptide Cat. No.: PE-04ANM95
Antibody Immunogen Sequence:	NPS(pT)PSK(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues N949 to K955; In the C-terminus of the kinase. This is the major in vivo site of phosphorylation in LOK.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-952

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:	1.0 / 1.0 mg/ml
Lot Number:	150305 / 160121
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:	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, A431 and MCF7 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)