

AB-PK787

PYK2-pY402 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase PYK2 (PTK2B)



KINEXUS

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Target Protein

Name Long:	Protein tyrosine kinase 2 beta
Alias:	CADTK; CAK beta; CAKB; Calcium-dependent tyrosine kinase; Cell adhesion kinase beta; FADK 2; FADK2, FAK2; FAK2; Related adhesion focal tyrosine kinase; RAFTK
UniProt ID:	Q14289
Sequence Predicted Mass (KDa):	115.875 (1009 AA; Q14289); 111.183 (967 AA; Q14289-2)
Observed SDS-PAGE Mass (KDa):	105-120

Immunogen

Antibody Immunogen Source:	Human PYK2 (PTK2B) sequence peptide Cat. No.: PE-04AGK99
Antibody Immunogen Sequence:	SDI(pY)AEI(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues S399 to I405; In the region between the FERM_M domain and the protein kinase catalytic domain
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-402

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150115
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.
Overall Antibody Specificity:	Very high selectivity

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)