

AB-PN529

PKM2-pY390 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human PKM2



KINEXUS

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Target Protein

Name Long:	Pyruvate kinase isozymes M1/M2
Alias:	CTHBP; Cytosolic thyroid hormone-binding protein; KP YM; MGC3932; OIP-3; OIP3; Opa-interacting protein 3; p58; PK, muscle type; PK2; PK3; PKM; PKM2; Pyruvate kinase 2/3; Pyruvate kinase isozymes M1/M2; Pyruvate kinase muscle isozyme; pyruvate kinase, muscle; TCB; THBP1; Thyroid hormone-binding protein 1; thyroid hormone-binding protein, cytosolic; tumour M2-PK
UniProt ID:	P14618
Sequence Predicted Mass (KDa):	57.937 (531 AA; P14618-1); 58.062 (531 AA; P14618-2); 56.273 (516 AA; P14618-3)
Observed SDS-PAGE Mass (KDa):	57-62

Immunogen

Antibody Immunogen Source:	Human PKM2 sequence peptide Cat. No.: PE-04AHE95
Antibody Immunogen Sequence:	AAI(pY)HLQ(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues A387 to Q393; At the end of the PK domain. A major phosphorylation site in PKM2.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-390

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 multipепptide 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:	150106
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)