

AB-PK545

Bmx-Y40 Antibody

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



KINEXUS

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Target Protein

Name Long:	Bone marrow X protein-tyrosine kinase
Alias:	BMX NON-receptor tyrosine kinase; Bone marrow kinase BMX; Cytoplasmic BMX; Epithelial and endothelial tyrosine kinase; ETK; Kinase Etk; NTK38; Protein tyrosine kinase BMX; PSCTK3; ENSG00000102010
UniProt ID:	P51813
Sequence Predicted Mass (kDa):	78.011 (675 AA; P51813)
Observed SDS-PAGE Mass (kDa):	75-80

Immunogen

Antibody Immunogen Source:	Human Bmx (Etk) sequence peptide Cat. No.: PE-04AIT95
Antibody Immunogen Sequence:	NLS(pY)YEY(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues N37 to Y43; In the PH domain domain
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-40

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:	0.5 mg/ml
Lot Number:	141107
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:	Very strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting in Jurkat cells.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	Cross-reactivities are also seen with 4 other proteins of ~70 to 130 KDa in overnight serum-starved Jurkat cells. Weakly cross reacts with phospho-ERK1 in sea star oocytes.

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)