



Bmx (phospho Tyr566) Monoclonal Antibody

Catalog No	BYmab-14471
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	BMX
Protein Name	Cytoplasmic tyrosine-protein kinase BMX
Immunogen	The antiserum was produced against synthesized peptide derived from human ETK around the phosphorylation site of Tyr566. AA range:532-581
Specificity	Phospho-Bmx (Y566) Monoclonal Antibody detects endogenous levels of Bmx protein only when phosphorylated at Y566.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BMX; Cytoplasmic tyrosine-protein kinase BMX; Bone marrow tyrosine kinase gene in chromosome X protein; Epithelial and endothelial tyrosine kinase; ETK; NTK38
Observed Band	78kD
Cell Pathway	Cytoplasm . Localizes to the edges of spreading cells when complexed with BCAR1.
Tissue Specificity	Highly expressed in cells with great migratory potential, including endothelial cells and metastatic carcinoma cell lines.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.;cofactor:Binds 1 zinc ion per subunit.;domain:SH2 domain mediates interaction with RUFY1.;function:Activity is required for interleukin 6 (IL-6) induced differentiation. May play a role in the growth and differentiation of hematopoietic cells. May be involved in signal transduction in endocardial and arterial endothelial cells.;induction:Activated by IL-6 through phosphatidylinositol 3-kinase (PI3-kinase) pathway. It is likely that activation occurs through binding of phosphoinositides to the PH domain.;similarity:Belongs to the protein kinase

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superfamily. Tyr protein kinase family. TEC subfamily.,similarity:Contains 1 Btk-type zinc finger.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,subunit:Interacts with RUFY1 and RUFY2.,tissue sp

Background

This gene encodes a non-receptor tyrosine kinase belonging to the Tec kinase family. The protein contains a PH-like domain, which mediates membrane targeting by binding to phosphatidylinositol 3,4,5-triphosphate (PIP3), and a SH2 domain that binds to tyrosine-phosphorylated proteins and functions in signal transduction. The protein is implicated in several signal transduction pathways including the Stat pathway, and regulates differentiation and tumorigenicity of several types of cancer cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016],

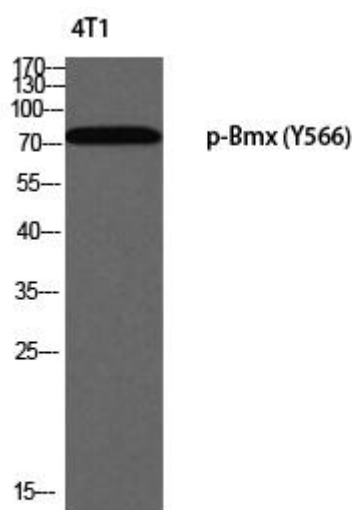
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Bmx (phospho Tyr566) Monoclonal Antibody