

Product Name: Bmx (phospho Tyr40) Rabbit Polyclonal Antibody**Catalog #: APRab04327**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight	78kDa

Antigen Information

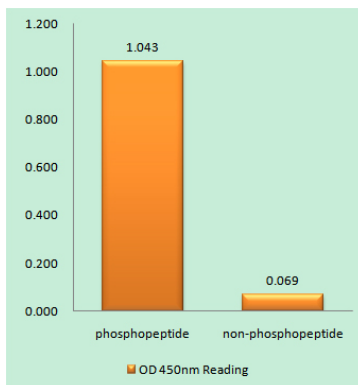
Gene Name	BMX
Alternative Names	BMX; Cytoplasmic tyrosine-protein kinase BMX; Bone marrow tyrosine kinase gene in chromosome X protein; Epithelial and endothelial tyrosine kinase; ETK; NTK38
Gene ID	660.0
SwissProt ID	P51813
Immunogen	The antiserum was produced against synthesized peptide derived from human ETK around the phosphorylation site of Tyr40. AA range:6-55

Background

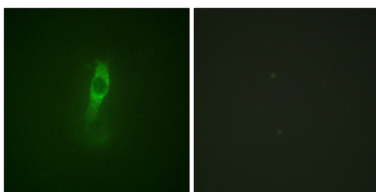
This gene encodes a non-receptor tyrosine kinase belonging to the Tec kinase family. The protein contains a PH-like domain, which mediates membrane targeting by binding to phosphatidylinositol 3,4,5-triphosphate (PIP3), and a SH2 domain that binds to tyrosine-phosphorylated proteins and functions in 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], catalytic activity: $\text{ATP} + \text{a [protein]-L-tyrosine} = \text{ADP} + \text{a [protein]-L-tyrosine phosphate}$, 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 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 specificity: Preferentially expressed in epithelial and endothelial cells,

Research Area

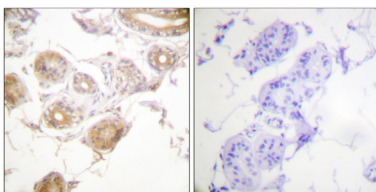
Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using ETK (Phospho-Tyr40) Antibody



Immunofluorescence analysis of NIH/3T3 cells, using ETK (Phospho-Tyr40) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human skin, using ETK (Phospho-Tyr40) Antibody. The picture on the right is blocked with the phospho peptide.

