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Bmx (phospho Tyr566) Polyclonal Antibody

Catalog No	YP-Ab-14471
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
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) Polyclonal 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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200
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 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



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Products Images



Western blot analysis of 4T1 using p-Bmx (Y566) antibody.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ETK (Phospho-Tyr566) Antibody



Immunohistochemistry analysis of paraffin-embedded human thyroid gland, using ETK (Phospho-Tyr566) Antibody. The picture on the right is blocked with the phospho peptide.



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Western blot analysis of lysates from HeLa cells treated with Serum 20% 15', using ETK (Phospho-Tyr566) Antibody. The lane on the right is blocked with the phospho peptide.