Bmx (Phospho Tyr566) Rabbit pAb

CatalogNo: YP0717 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC,IF,ELISA

MW
- 78kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:10000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

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.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):DQyVS

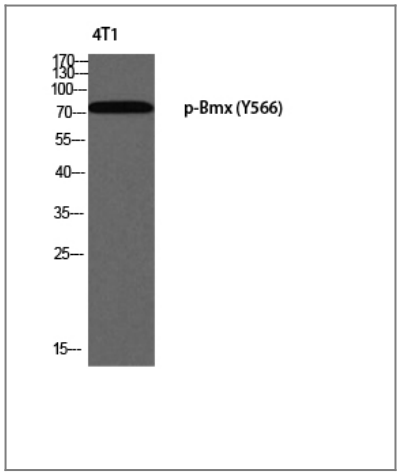
Target Information

Gene name	BMX
Protein Name	Cytoplasmic tyrosine-protein kinase BMX

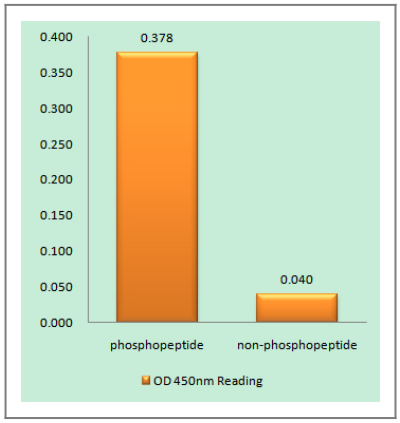
Organism	Gene ID	UniProt ID
Human	660;	P51813;
Mouse	12169;	P97504;

Cellular Localization	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 specificity:Preferentially expressed in epithelial and endothelial cells.,

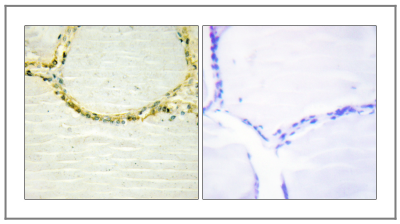
Validation Data



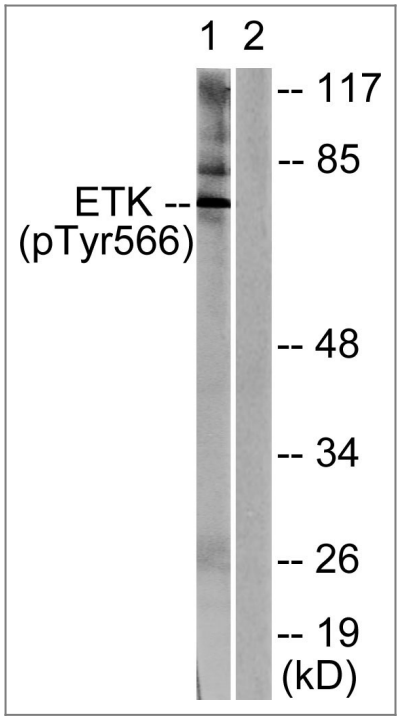
Western blot analysis of 4T1 using p-Bmx (Y566) antibody.



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.



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.

Contact information

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Please scan the QR code to access additional product information:
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