

## 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

### 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.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

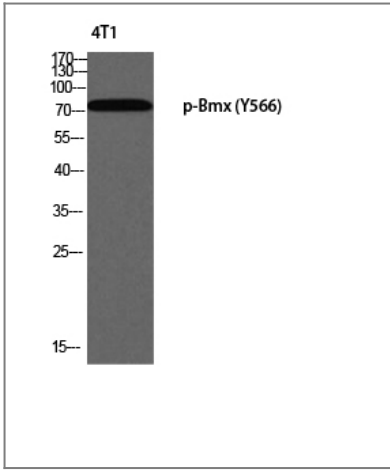
Organism	Gene ID	UniProt ID
Human	<a href="#">660</a> ;	<a href="#">P51813</a> ;
Mouse	<a href="#">12169</a> ;	<a href="#">P97504</a> ;

**Cellular Localization** Cytoplasm . Localizes to the edges of spreading cells when complexed with BCAR1.

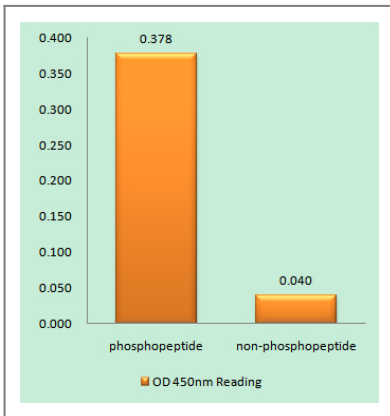
**Tissue specificity** Highly expressed in cells with great migratory potential , including endothelial cells and metastatic carcinoma cell lines.

**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. ,

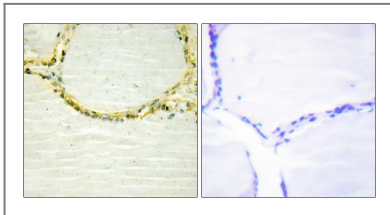
## Validation Data



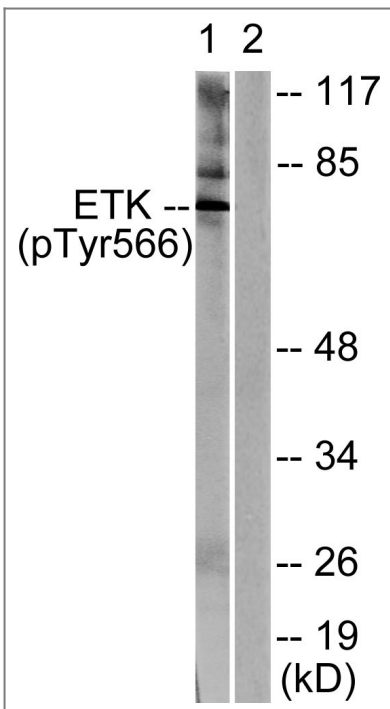
Western blot analysis of 4T1 using p-Bmx (Y566) antibody.



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

Orders: order.cn@immunoway.com  
Support: support.cn@immunoway.com  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**BMX (Phospho Tyr566) Rabbit pAb**

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