

## BMX (phospho Y566) polyclonal antibody

Catalog # PAB15894      Size 100 ug

### Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of BMX.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y566 of human BMX.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

### Gene Info — BMX

Entrez GeneID	<a href="#">660</a>
Gene Name	BMX

Gene Alias	ETK, PSCTK2, PSCTK3
Gene Description	BMX non-receptor tyrosine kinase
Omim ID	<a href="#">300101</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. Multiple alternatively spliced variants, encoding the same protein, have been identified
Other Designations	OTTHUMP00000022964 OTTHUMP00000022965 OTTHUMP00000022966

## Publication Reference

- [Identification of phosphorylation sites within the SH3 domains of Tec family tyrosine kinases.](#)  
Nore BF, Mattsson PT, Antonsson P, Backesjo CM, Westlund A, Lennartsson J, Hansson H, Low P, Ronnstrand L, Smith CI.  
Biochimica et Biophysica Acta 2003 Feb; 1645(2):123.
- [Interaction between tyrosine kinase Etk and a RUN domain- and FYVE domain-containing protein RUFY1. A possible role of ETK in regulation of vesicle trafficking.](#)  
Yang J, Kim O, Wu J, Qiu Y.  
The Journal of Biological Chemistry 2002 Aug; 277(33):30219.
- [Etk/Bmx, a tyrosine kinase with a pleckstrin-homology domain, is an effector of phosphatidylinositol 3'-kinase and is involved in interleukin 6-induced neuroendocrine differentiation of prostate cancer cells.](#)  
Qiu Y, Robinson D, Pretlow TG, Kung HJ.  
PNAS 1998 Mar; 95(7):3644.

## Disease

- [HIV Infections](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)