**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AP31357PU-N

## BMX (N-term) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IF, IHC, WB |
| **Recommended Dilution:** | **ELISA:** 1/20000.<br>**Immunofluorescence:** 1/100 - 1/500.<br>**Immunohistochemistry on Paraffin Sections:** 1/50.<br>**Western Blot:** 1/500 - 1/1000. |
| **Reactivity:** | Human, Mouse |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide - KLH conjugated |
| **Specificity:** | This antibody detects endogenous levels of total BMX protein. |
| **Formulation:** | PBS (without Mg2+, Ca2+), pH 7.4, 150 mM Sodium Chloride, 0.02% Sodium Azide and 50% Glycerol.<br>State: Purified<br>State: Liquid purified IgG fraction. |
| **Concentration:** | lot specific |
| **Purification:** | Immunoaffinity Chromatography. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | BMX non-receptor tyrosine kinase |
| **Database Link:** | Entrez Gene 12169 MouseEntrez Gene 660 Human<br>P51813 |

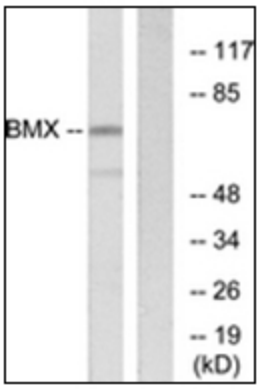
View online »

**Background:** BMX/ETK, a BTK/TEC type kinase, has been shown to affect the regulation of cellular processes including proliferation, differentiation, motility, apoptosis, and endocytosis. Etk contains an N-terminal Pleckstrin homology (PH) domain, a src homology 3 (SH3) domain, a src homology 2 (SH2) domain and a C-terminal tyrosine kinase (SH1) domain. The PH domains of Btk type kinases have been shown to bind to phospholipids as well as many protein partners including heterotrimeric G-proteins, PKC isoforms, Stat3, F-actin, Fas and FAK. Etk is 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. It has been shown that Pak1 is a target of Etk and that Etk controls the proliferation as well as the anchorage-independent and tumorigenic growth of mammary epithelial cancer cells.

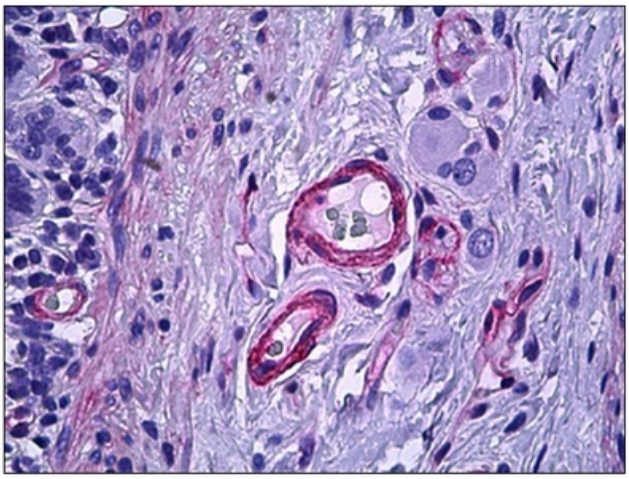
**Synonyms:** NTK38, ETK

**Protein Families:** Druggable Genome, Protein Kinase

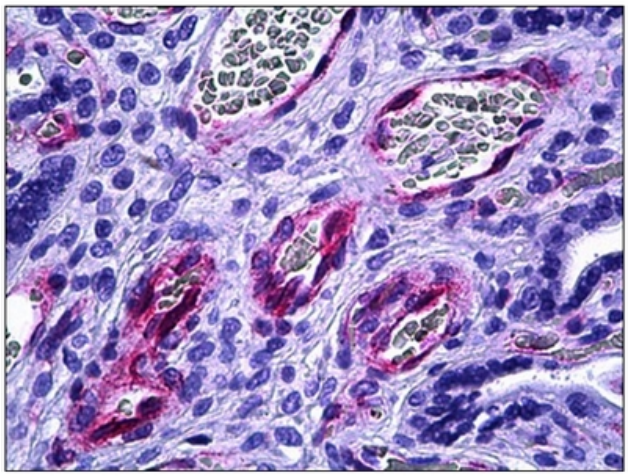
## Product images:



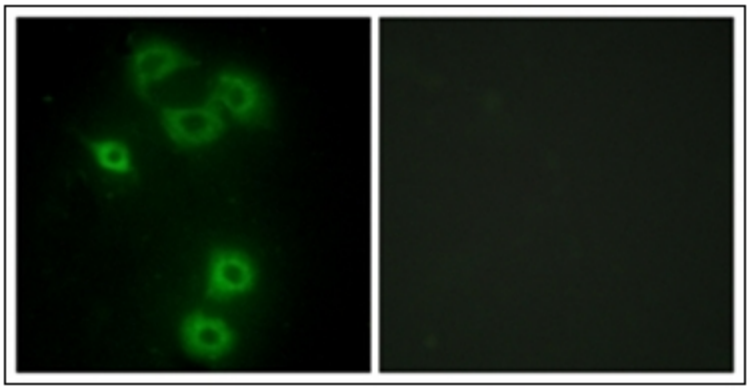

Western blot analysis of extracts from COS7 cells, using BMX Antibody. The lane on the right is treated with the synthesized peptide.



Human Intestine, Vessels: Formalin-Fixed, Paraffin-Embedded (FFPE).



Human Placenta, Vessels: Formalin-Fixed, Paraffin-Embedded (FFPE).



Immunofluorescence analysis of A549 cells, using BMX Antibody. The picture on the right is treated with the synthesized peptide.