

Datasheet for ABIN968989

anti-BMX antibody[Go to Product page](#)**1** Image**2** Publications

Overview

| | |
|--------------|------------------------------------|
| Quantity: | 100 µL |
| Target: | BMX |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This BMX antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

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| Immunogen: | Purified recombinant fragment of human BMX expressed in E. coli. |
| Clone: | 1C6 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

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|-------------------|---|
| Target: | BMX |
| Alternative Name: | BMX (BMX Products) |
| Background: | Description: BMX (bone marrow X kinase) is a cytoplasmic tyrosine kinase identified by reverse transcription of mRNA isolated from human bone marrow and mapped to the chromosomal band Xp22.2. The full length protein is 675 amino acids with a tyrosine kinase domain, an amino terminal pleckstrin domain, as well as an SH3 and SH2 domain. Direct comparison of |

Target Details

BMX's primary sequence with other kinases showed that this is highly related to the family of BTK/ITK/TEC. BMX kinase is expressed in fetal and adult tissues, with the highest expression in heart, testis, small intestine and colon. It is undetectable in spleen, brain, kidney, and pancreas. Further analysis of mRNA expression showed that BMX is expressed in hematopoietic tissues and neutrophilic granulocytes, and in patients with acute and myeloid leukemia. The levels of BMX mRNA were substantially lower in patients with acute and chronic lymphoid leukemias, thus suggesting that BMX may be important during myelopoiesis. CST: It is expressed in a variety of hematopoietic, epithelial and endothelial cells.

Aliases: ETK, PSCTK2, PSCTK3, BMX

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|-------------------|--------|
| Molecular Weight: | 78 kDa |
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| Gene ID: | 660 |
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| HGNC: | 660 |
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Application Details

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| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Buffer: | Ascitic fluid containing 0.03 % sodium azide. |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C/-20 °C |
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| Storage Comment: | 4°C, -20°C for long term storage |
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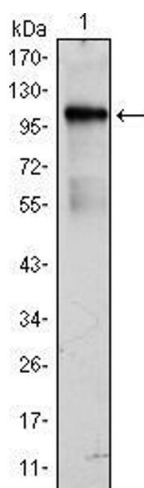
Publications

| | |
|-------------------|---|
| Product cited in: | Mohan, Mohan, Wilson: "Discoidin domain receptor (DDR) 1 and 2: collagen-activated tyrosine kinase receptors in the cornea." in: Experimental eye research , Vol. 72, Issue 1, pp. 87-92, (2001) (PubMed). |
|-------------------|---|

Publications

Foehr, Tatavos, Tanabe, Raffioni, Goetz, Dimarco, De Luca, Bradshaw: "Discoidin domain receptor 1 (DDR1) signaling in PC12 cells: activation of juxtamembrane domains in PDGFR/DDR/TrkA chimeric receptors." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 14, Issue 7, pp. 973-81, (2000) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis using BMX mAb against BMX(AA: 138-276)-hlgGfc transfected HEK293 cell lysate.