

Product datasheet for **AM06441SU-N**

BMX Mouse Monoclonal Antibody [Clone ID: 1C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C6
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human BMX expressed in E. Coli.
Specificity:	This antibody reacts to BMX.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	78 kDa
Gene Name:	BMX non-receptor tyrosine kinase
Database Link:	Entrez Gene 660 Human P51813



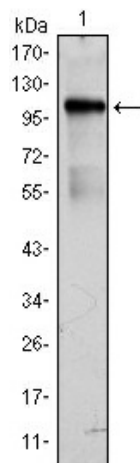
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Background:

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 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.

Synonyms:

NTK38, ETK

Product images:

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