

Bmx Monoclonal Antibody

Catalog No :	YM0076
Reactivity :	Human
Applications :	WB;ELISA
Target :	ETK
Gene Name :	BMX
Protein Name :	Cytoplasmic tyrosine-protein kinase BMX
Human Gene Id :	660
Human Swiss Prot No :	P51813
Mouse Swiss Prot No :	P97504
Immunogen :	Purified recombinant fragment of human Bmx expressed in E. Coli.
Specificity :	Bmx Monoclonal Antibody detects endogenous levels of Bmx protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	78kD
P References :	1. Oncogene. 2004 Mar 11;23(10):1838-44. 2. Nat Cell Biol. 2005 Aug;7(8):797-807. 3. Blood. 2008 Feb 15;111(4):1781-8.

Background :

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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016],

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 sp

Subcellular Location :

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

Expression :

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

Products Images

kDa
170
150
100
75
50
40
34
26
17
11



Western Blot analysis using Bmx Monoclonal Antibody against BMX-hlgGfc transfected HEK293 cell lysate.