

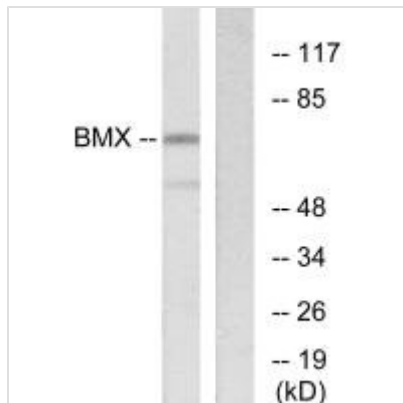


BMX Antibody

Product Code	CSB-PA991678
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51813
Immunogen	Synthesized peptide derived from N-terminal of Human BMX.
Raised In	Rabbit
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous levels of total BMX protein.
Tested Applications	ELISA, WB, IHC, IF; WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500
Relevance	Non-receptor tyrosine kinase that plays central but diverse modulatory roles in various signaling processes involved in the regulation of actin reorganization, cell migration, cell proliferation and survival, cell adhesion, and apoptosis. Participates in signal transduction stimulated by growth factor receptors, cytokine receptors, G-protein coupled receptors, antigen receptors and integrins. Induces tyrosine phosphorylation of BCAR1 in response to integrin regulation. Activation of BMX by integrins is mediated by PTK2/FAK1, a key mediator of integrin signaling events leading to the regulation of actin cytoskeleton and cell motility. Plays a critical role in TNF-induced angiogenesis, and implicated in the signaling of TEK and FLT1 receptors, 2 important receptor families essential for angiogenesis. Required for the phosphorylation and activation of STAT3, a transcription factor involved in cell differentiation. Also involved in interleukin-6 (IL6) induced differentiation. Plays also a role in programming adaptive cytoprotection against extracellular stress in different cell systems, salivary epithelial cells, brain endothelial cells, and dermal fibroblasts. May be involved in regulation of endocytosis through its interaction with an endosomal protein RUFY1. May also play a role in the growth and differentiation of hematopoietic cells; as well as in signal transduction in endocardial and arterial endothelial cells. Tamagnone L., Oncogene 9:3683-3688(1994). Qiu Y., Proc. Natl. Acad. Sci. U.S.A. 95:3644-3649(1998). Fuortes M., Thesis (1994), Cornell University, United States.
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	BMX; BMX NON-receptor tyrosine kinase; Bone marrow kinase BMX; Cytoplasmic BMX; EC 2.7.10.2
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)

Target Names

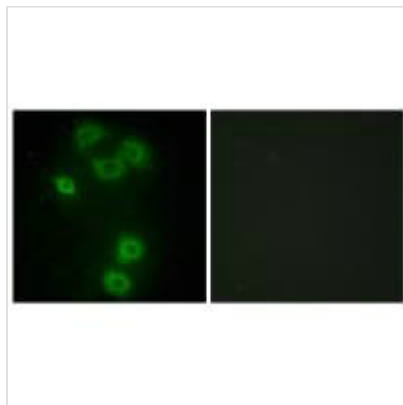
BMX

Image


Western blot analysis of extracts from COS-7 cells, using BMX antibody.



Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue using BMX antibody.



Immunofluorescence analysis of A549 cells, using BMX antibody.