



BMX Antibody

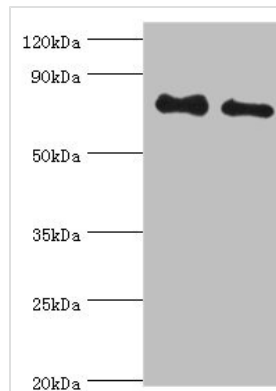
Product Code	CSB-PA002761ESR1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51813
Immunogen	Recombinant Human Cytoplasmic tyrosine-protein kinase BMX protein (65-280AA)
Raised In	Rabbit
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200
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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Cytoplasmic tyrosine-protein kinase BMX (EC 2.7.10.2) (Bone marrow tyrosine kinase gene in chromosome X protein) (Epithelial and endothelial tyrosine kinase) (ETK) (NTK38), BMX
Species	Human
Research Area	Signal Transduction



Target Names

BMX

Image



Western blot

All lanes: Cytoplasmic tyrosine-protein kinase

BMX antibody at 4μg/ml

Lane 1: A549 whole cell lysate

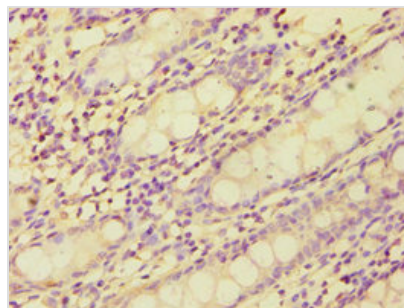
Lane 2: Mouse heart tissue

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 78 kDa

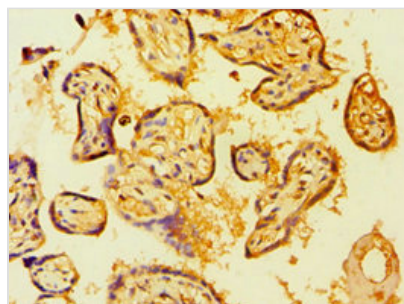
Observed band size: 78 kDa



Immunohistochemistry of paraffin-embedded

human colon tissue using CSB-

PA002761ESR1HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded

human placenta tissue using CSB-

PA002761ESR1HU at dilution of 1:100