

Datasheet for ABIN7149359
anti-BMX antibody (AA 65-280)



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3 Images

Overview

Quantity:	100 µL
Target:	BMX
Binding Specificity:	AA 65-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Cytoplasmic tyrosine-protein kinase BMX protein (65-280AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	BMX
Alternative Name:	BMX (BMX Products)
Background:	Background: 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

Target Details

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.

Aliases: Bmx antibody, BMX non receptor tyrosine kinase antibody, BMX_HUMAN antibody, BONE MARROW KINASE, X-LINKED antibody, Bone marrow tyrosine kinase gene in chromosome X protein antibody, Cytoplasmic tyrosine protein kinase BMX antibody, Cytoplasmic tyrosine-protein kinase BMX antibody, Epithelial and endothelial tyrosine kinase antibody, ETK antibody, NKT38 antibody, NTK 38 antibody, NTK38 antibody, Protein tyrosine kinase BMX antibody, PSCTK 2 antibody, PSCTK 3 antibody, PSCTK2 antibody, PSCTK3 antibody

UniProt: [P51813](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

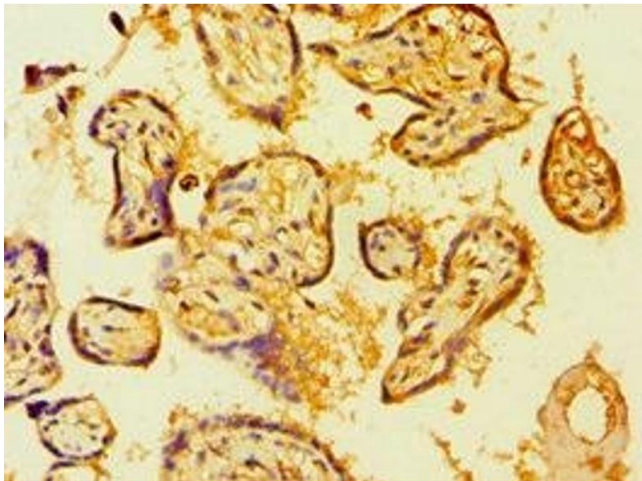
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C,-80 °C

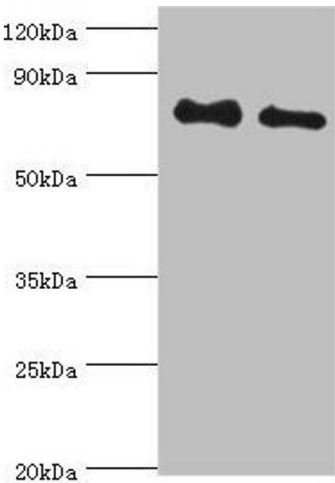
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



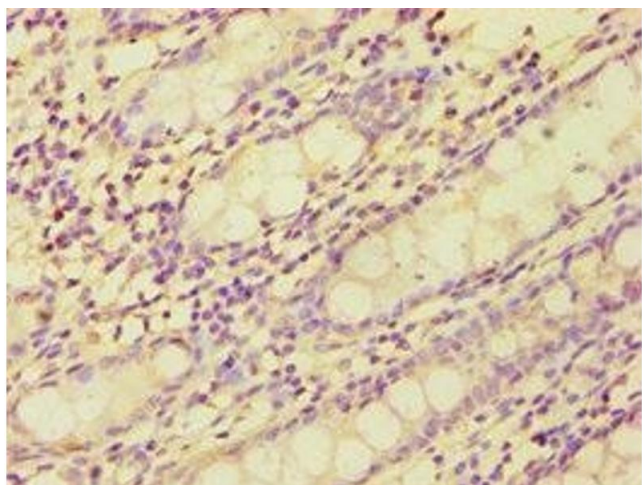
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7149359 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Cytoplasmic tyrosine-protein kinase BMX antibody at 4 µg/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

Image 3. Immunohistochemistry of paraffin-embedded human colon tissue using ABIN7149359 at dilution of 1:100