

Etk/BMX Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 78	Source/Isotype: Rabbit	UniProt ID: #P51813	Entrez-Gene Id: 660
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Product Usage Information	Application	Dilution
	Western Blotting	1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. <i>Do not aliquot the antibody.</i>	
Specificity/Sensitivity	Etk/BMX Antibody recognizes endogenous levels of total Etk (BMX) protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human Etk (BMX) protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Etk, also known as BMX, is a member of the Bruton's tyrosine kinase (Btk) family (1). It is expressed in a variety of hematopoietic, epithelial and endothelial cells. Etk, like other Btk family members, contains a pleckstrin homology (PH) domain and Src homology SH3 and SH2 domains. It participates in multiple signal transduction pathways (2). Phosphorylation of Tyr566 by Src kinase is required for activation of Etk in vivo (3). In endothelial and epithelial cells, Etk is regulated by FAK through phosphorylation at Tyr40 (4).	
Background References	<ol style="list-style-type: none"> 1. Tamagnone, L. et al. (1994) <i>Oncogene</i> 9, 3683-8. 2. Qiu, Y. and Kung, H.J. (2000) <i>Oncogene</i> 19, 5651-61. 3. Tsai, Y.T. et al. (2000) <i>Mol Cell Biol</i> 20, 2043-54. 4. Chen, R. et al. (2001) <i>Nat Cell Biol</i> 3, 439-44. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human
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