

Etk/BMX (D6J1S) Rabbit mAb

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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 IgG	UniProt ID: #P51813	Entrez-Gene Id: 660
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	Etk/BMX (D6J1S) Rabbit mAb recognizes endogenous levels of total Etk/BMX protein. This antibody does not cross-react with Tec, Itk or Btk.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human Etk/BMX protein.	
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 BSA, 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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