



Blk (phospho Tyr501) rabbit pAb

Cat No.:ES7144

For research use only

Overview

Product Name	Blk (phospho Tyr501) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human BLK around the phosphorylation site of Tyr501. AA range:456-505
Specificity	Phospho-Blk (Y501) Polyclonal Antibody detects endogenous levels of Blk protein only when phosphorylated at Y501.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Tyrosine-protein kinase Blk
Gene Name	BLK
Cellular localization	Cell membrane ; Lipid-anchor . Present and active in lipid rafts. Membrane location is required for the phosphorylation of CD79A and CD79B (By similarity). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	640
Human Swiss-Prot Number	P51451
Alternative Names	BLK; Tyrosine-protein kinase Blk; B lymphocyte kinase; p55-Blk
Background	This gene encodes a nonreceptor tyrosine-kinase of the src family of proto-oncogenes that are typically





involved in cell proliferation and differentiation. The protein has a role in B-cell receptor signaling and B-cell development. The protein also stimulates insulin synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors. [provided by RefSeq, Aug 2010],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using BLK (Phospho-Tyr501) Antibody. The picture on the right is blocked with the phospho peptide.

