

Datasheet for ABIN7139015
anti-BLK antibody (pTyr501)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	BLK
Binding Specificity:	pTyr501
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BLK antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 501 (R-Q-Y(p)-E-L) derived from Human BLK.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	BLK
Alternative Name:	BLK (BLK Products)

Target Details

Background:	<p>Background:</p> <p>Non-receptor tyrosine kinase involved in B-lymphocyte development, differentiation and signaling. B-cell receptor (BCR) signaling requires a tight regulation of several protein tyrosine kinases and phosphatases, and associated coreceptors. Binding of antigen to the B-cell antigen receptor (BCR) triggers signaling that ultimately leads to B-cell activation. Signaling through BLK plays an important role in transmitting signals through surface immunoglobulins and supports the pro-B to pre-B transition, as well as the signaling for growth arrest and apoptosis downstream of B-cell receptor.</p> <p>Islam K.B., J. Immunol. 154:1265-1272(1995).</p> <p>Drebin J.A.,Oncogene 10:477-486(1995).</p> <p>Greenman C.,Nature 446:153-158(2007).</p> <p>Aliases: B lymphocyte kinase antibody, B lymphoid tyrosine kinase antibody, Blk antibody, BLK nonreceptor tyrosine kinase antibody, BLK_HUMAN antibody, EC 2.7.10.2 antibody, MGC 10442 antibody, MGC10442 antibody, MODY 11 antibody, MODY11 antibody, P55 BLK antibody, p55-BLK antibody, Tyrosine kinase B lymphocyte specific antibody, Tyrosine protein kinase antibody, Tyrosine-protein kinase BLK antibody</p>
UniProt:	P51451
Pathways:	Positive Regulation of Peptide Hormone Secretion , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	IHC:1:50-1:100,
Restrictions:	For Research Use only

Handling

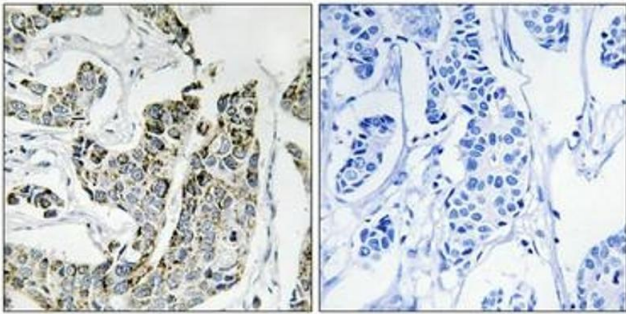
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BLK (Phospho-Tyr501) antibody (left) or the same antibody preincubated with blocking peptide (right).