

BLK (Phospho-Tyr501) Antibody

Catalog No: #11727

Package Size: #11727-1 50ul #11727-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

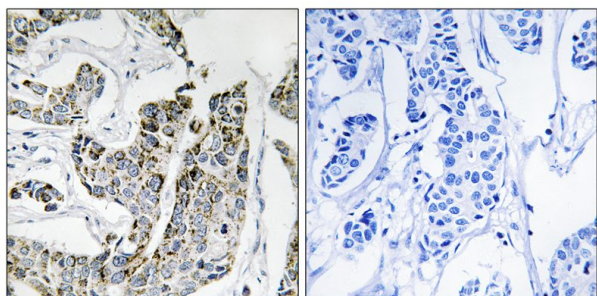
Description

Product Name	BLK (Phospho-Tyr501) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of BLK only when phosphorylated at tyrosine 501.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 501 (R-Q-Y(p)-E-L) derived from Human BLK.
Target Name	BLK
Modification	Phospho
Other Names	p55-BLK; EC 2.7.10.2; kinase Blk; B lymphocyte kinase; Tyrosine-protein kinase BLK
Accession No.	Swiss-Prot#: P51451; NCBI Gene#: 640; NCBI Protein#: NP_001706.2.
Uniprot	P51451
GeneID	640;
SDS-PAGE MW	57kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BLK (Phospho-Tyr501) antibody #11727 (left) or the same antibody preincubated with blocking peptide (right).

Background

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.

Islam K.B., J. Immunol. 154:1265-1272(1995).

Drebin J.A.,Oncogene 10:477-486(1995).

Greenman C.,Nature 446:153-158(2007).

Note: This product is for in vitro research use only