

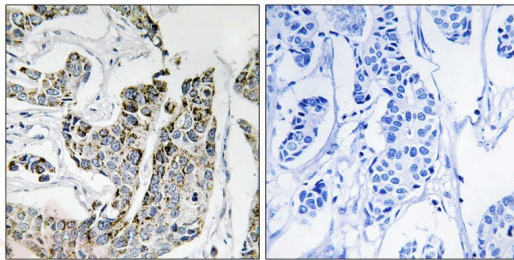
Anti-Phospho-BLK (Tyr501) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 57 kDa.
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

Verified Activity: 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BLK (Phospho-Tyr501) antibody TMAC-00446 (left) or the same antibody preincubated with blocking peptide (right).



Application:	IHC
Recommended	IHC: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 501 (R-Q-Y(p)-E-L) derived from Human BLK
Antigen Species:	Human
Uniprot ID:	P51451
Synonyms:	p-BLK (Tyr501);p-BLK (Y501);BLK (p-Tyr501);BLK (p-Y501)

Research 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

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and supports the pro-B to pre-B transition, as well as the signaling for growth arrest and apoptosis downstream of B-cell receptor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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