

Product datasheet for **AP55751PU-S**

BLK pTyr501 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections: 1:50~1:100.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 501 (R-Q-Y(p)-E-L) derived from Human BLK (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of BLK only when phosphorylated at tyrosine 501.
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 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	57 kDa
Gene Name:	BLK proto-oncogene, Src family tyrosine kinase
Database Link:	Entrez Gene 640 Human P51451



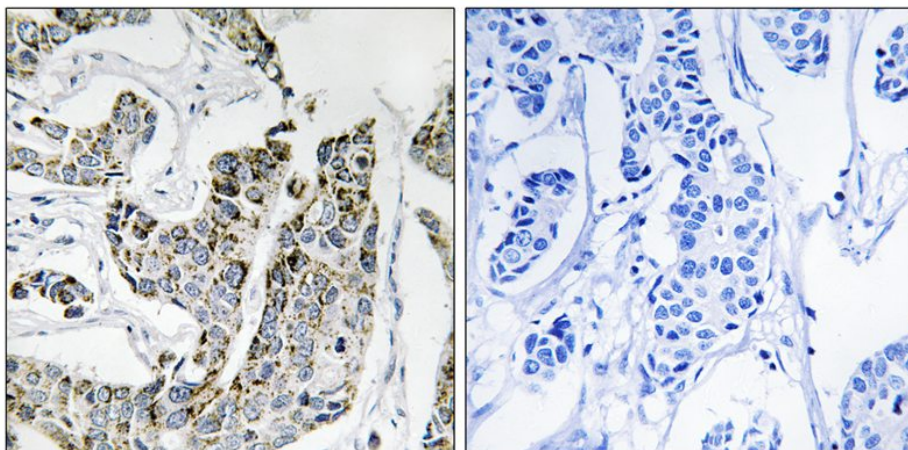
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Background:

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.

Synonyms:

B lymphocyte kinase, p55-BLK, p55BLK

Product images:

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