



Blk (phospho Tyr501) Polyclonal Antibody

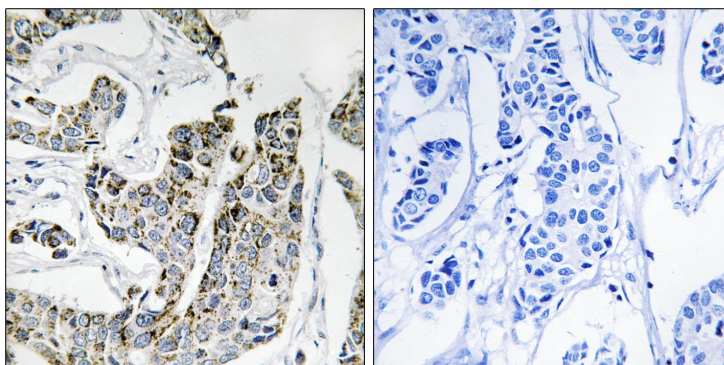
E20-61038**Catalog Number:**E20-61038**Amount:**100ul**Applications:**IHC;IF;ELISA**Reactivity:**Human;Mouse;Rat**Target:**BLK**Gene Name:**BLK**Protein Name:**Tyrosine-protein kinase Blk**Human Gene Id:**640**Human Swiss Prot No:**P51451**Mouse Gene Id:**12143**Mouse Swiss Prot No:**P16277**Immunogen:**The 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.**Source:**Polyclonal, Rabbit,IgG**Dilution:**IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Concentration:**1 mg/ml**Storage Stability:**-15°C to -25°C/1 year(Do not lower than -25°C)**Other Name:**BLK;Tyrosine-protein kinase Blk;B lymphocyte kinase;p55-Blk**Molecular Weight(Da):**58kD**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]**Function:**catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate., function:May function in a signal transduction pathway that is restricted to B-lymphoid cells.,

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similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily., similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain., similarity:Contains 1 SH3 domain.

Subcellular Location:Cell membrane ; Lipid-anchor . Present and active in lipid rafts. Membrane location is required for the phosphorylation of CD79A and CD79B (By similarity).

Expression:Expressed in lymphatic organs, pancreatic islets, Leydig cells, striate ducts of salivary glands and hair follicles.



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