

## Product datasheet for **AM06135SU-N**

### BLK Mouse Monoclonal Antibody [Clone ID: 9D10D1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9D10D1
Applications:	IHC
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of BLK expressed in E. Coli.
Specificity:	Recognizes BLK ( B lymphoid tyrosine kinase).
Formulation:	State: Ascites State: Ascitic fluid Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BLK proto-oncogene, Src family tyrosine kinase
Database Link:	<a href="#">Entrez Gene 640 Human P51451</a>



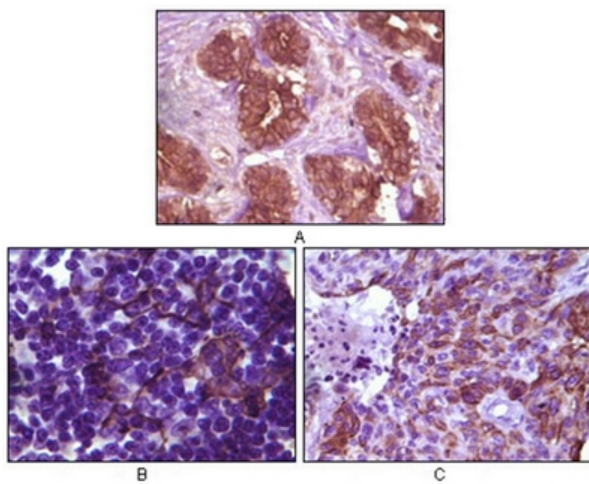
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**Background:**

BLK ( B lymphoid tyrosine kinase), with 505-amino acid protein (about 56KDa), belongs to the Src non-receptor tyrosine kinases family. Different subcellular localizations of Src-family kinases may be important for the regulation of specific cellular processes such as mitogenesis, cytoskeletal organization, and membrane trafficking. Blk is expressed exclusively by B lymphocytes and it is thought to function in a signal transducing pathway specific to this lineage. B lymphoid expression of an active Blk mutant caused proliferation of B progenitor cells and enhanced responsiveness of these cells to interleukin 7. Thus, sustained activation of Blk induces responses normally associated with the pre-BCR.

**Synonyms:**

B lymphocyte kinase, p55-BLK, p55BLK

**Product images:**

Immunohistochemical analysis of paraffin-embedded human breast tissue (A), lymph tissue (B) and skin carcinoma (C), showing membrane localization using BLK antibody Cat.-No AM06135SU-N with DAB staining.