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**Anti-Sik**

Cat #: HM1333  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Members of the Src family of protein tyrosine kinases play crucial roles in cell proliferation and differentiation. A novel Src-related protein designated Sik (Src-related intestinal kinase) was identified that is specifically expressed in epithelial tissues and is restricted to cell layers immediately above the proliferative cell zone in skin and alimentary canal lining. The human homolog of Sik was isolated from a human metastatic breast tumor and designated Brk. Brk is 80% identity to Sik and exhibits the features of a nonreceptor tyrosine kinase, including amino terminal SH3 and SH2 domains. Overexpression of Brk in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype. Brk has been shown to undergo autophosphorylation.

**SPECIFICITY**

This antibody specifically reacts with Sik of human (Brk), mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A synthetic peptide derived from N-terminus of mouse Sik protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8° C.

**REFERENCES**

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