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**anti-Pax-5**

Cat #: HM1278  
Mouse monoclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Pax genes encode a family of nuclear transcription factors that are essential in the temporal and position-dependent differentiation of cells. The Pax gene family consists of nine family members. They are also involved in a variety of signal transduction pathways in the adult organism. Mutations in the Pax family of proteins have been linked to disease and cancer in humans. Human Pax-5 gene encodes a B cell lineage specific protein called B cell specific activator protein or BSAP, which is expressed in pro-B, pre-B and mature B lymphocytes but not in plasma cells. BSAP functions to regulate not only B cell development, but also influences the balance between immunoglobulin secretion and B cell proliferation. Overexpression of BSAP has been implicated in cellular transformation. Pax-5 gene maps to human chromosome 9p13.

**SPECIFICITY**

This antibody specifically recognizes Pax-5 of human, mouse and rat origin.

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

**IMMUNOGEN**

A peptide mapping at the carboxy terminus of Pax of human origin.

**STORAGE**

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

**REFERENCE**

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