# Pax-5 (D2) polyclonal antibody

Catalog: BS1287 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

The Pax gene family of nuclear transcription factors is comprised of nine family members that function during embryogenesis to regulate the temporal and position-dependent differentiation of cells. In addition, the family is 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. For example, the 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, and in the case of small lyphocytic lymphomas with plasmacytoid differentiation, a t(9;14)(p13;q32) translocation resulting in the deregulation of Pax-5 gene expression has been detected. The gene which encodes Pax-5 maps to human chromosome 9p13.

## Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## Molecular Weight:

~ 40 kDa

## Swiss-Prot:

Q02548

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

WB: 1:500~1:1000

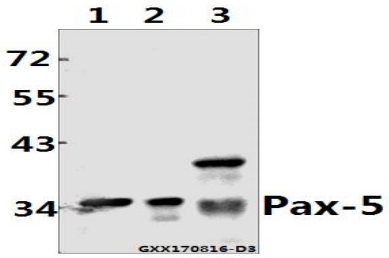
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

Pax-5 (D2) polyclonal antibody detects endogenous levels of Pax-5 protein.

## DATA:




Western blot (WB) analysis of Pax-5 (D2) pAb at 1:500 dilution

Lane1:THP-1 whole cell lysate(40ug)

Lane2:K562 whole cell lysate(40ug)

Lane3:The Spleen tissue lysate of Mouse(40ug)

## Note:

For research use only, not for use in diagnostic procedure.

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