

Datasheet

PAX5 monoclonal antibody (M01), clone 8F9

Catalog Number: H00005079-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant PAX5.

Clone Name: 8F9

Immunogen: PAX5 (NP_057953, 192 a.a. ~ 301 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

ADTNKRKRDEGIQESPVPNGHSLPGRDFLRKQMRGD
LFTQQQLEVLDRVFERQHYSDIFTTTEPIKPEQTTEYS
AMASLAGGLDDMKANLASPTPADIGSSVPGPQSYPI

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, RNAi-Ab, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5079

Gene Symbol: PAX5

Gene Alias: BSAP

Gene Summary: This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly

conserved DNA-binding motif, known as the paired box. PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell lineage specific activator protein that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis and so the encoded protein may also play a role in neural development and spermatogenesis. This gene is located at 9p13, which is involved in t(9;14)(p13;q32) translocations recurring in small lymphocytic lymphomas of the plasmacytoid subtype, and in derived large-cell lymphomas. This translocation brings the potent E-mu enhancer of the IgH gene into close proximity of the PAX5 promoter, suggesting that the deregulation of transcription of this gene contributes to the pathogenesis of these lymphomas. Alternatively spliced transcript variants encoding different isoforms have been described but their biological validity has not been determined. [provided by RefSeq]