Mouse anti-Human PAX5/BSAP Monoclonal Antibody | anti-PAX5/BSAP antibody

PAX5/BSAP (Early B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215125	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

PAX5/BSAP; Monoclonal Antibody; PAX5/BSAP (Early B-Cell Marker); B cell lineage specific activator; BSAP; EBB-1; KLP; Paired box 5; anti-PAX5/BSAP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	PAX5/3735
Specificity	The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 21,000, full-length human proteins. The PAX5 gene is a member of thepaired box (PAX)family of transcription factors. The central feature of this gene family is a novel, highly conservedDNA-binding domain, known as thepaired box. The PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute toneoplastic transformation. The PAX5 gene encodes theB-celllineage specific activator protein (BSAP) that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis; therefore, PAX5 gene product may not only play an important role in B-cell differentiation, but also in neural development andspermatogenesis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	391
Applicable Applications for anti-PAX5/BSAP antibody	IHC (Immunohistochemistry)
Positive Control	Daudi or Ramos cells. Tonsil, spleen, Lymph Node or Colon Carcinoma.
Immunogen	A recombinant fragment (around aa 235-382) of human PAX5 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Hu-chromosome Location	9p13.2
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 21,000 full-length human proteins using PAX5 Mouse Monoclonal Antibody (PAX5/3735) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with PAX5 Mouse Monoclonal Antibody (PAX5/3735).

ADDITIONAL INFORMATION

References	Desouki MM, Post GR, Cherry D, Lazarchick J. PAX-5: a valuable immunohistochemical marker in the differential diagnosis of lymphoid neoplasms. Clin Med Res. 2010 Jul;8(2):84-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9951920
NCBI GeneID	5079
NCBI Accession #	NP_057953.1
NCBI GenBank Nucleotide #	NP_057953.1
UniProt Accession #	Q02548
Molecular Weight	42kDa
NCBI Official Full Name	paired box protein Pax-5 isoform 1
NCBI Official Synonym Full Names	paired box 5
NCBI Official Symbol	PAX5
NCBI Official Synonym Symbols	ALL3; BSAP
NCBI Protein Information	paired box protein Pax-5
UniProt Protein Name	Paired box protein Pax-5
UniProt Gene Name	**PAX5**
UniProt Synonym Gene Names	BSAP
UniProt Entry Name	PAX5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pax5-bsap-antibody-clone-pax5-3735-immunohistochemistry-elisa/215125