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

PAX5/BSAP (Early B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215489	**Mouse**	**Human**	**Western Blot, 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 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, lambda
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 conjugated to Biotin
Form/Format	Antibody purified from Bioreactor Concentrate by Protein A/G and conjugated to Biotin. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide.
Sequence Length	391
Applicable Applications for anti-PAX5 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A recombinant fragment (around aa 235-382) of Human PAX5 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Hu-chromosome Location	9p13.2
Positive Control	Raji, DAUDI or Ramos cells. Human Tonsil, Spleen or Lymph node.
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



SDS-PAGE
SDS-PAGE Analysis Purified PAX5 Mouse Monoclonal Antibody (PAX5/3735) (unconjugated). Confirmation of Purity and Integrity of Antibody.



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



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Biotin-conjugated 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-western-blot-immunohistochemistry-elisa/215489