Product datasheet

Anti-BSAP/PAX5 Antibody

Catalog Number: *A00669-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-BSAP/PAX5 Antibody
Gene Name	PAX5
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human PAX5 recombinant protein (Position: R217-A282).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	45 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Paired box protein Pax-5 is a protein that in humans is encoded by the PAX5 gene. The PAX5 gene is 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 domain, known as the paired box. The PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. The PAX5 gene encodes the B-cell lineage 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 and spermatogenesis.

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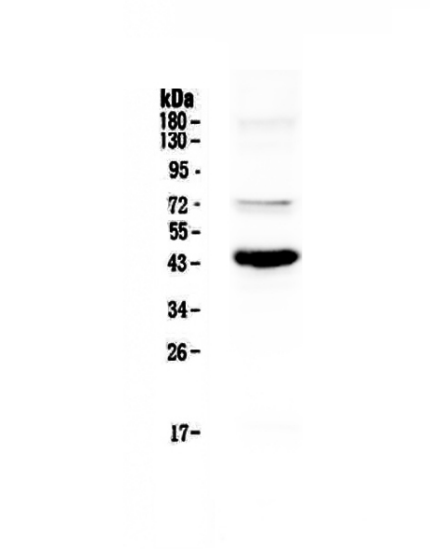
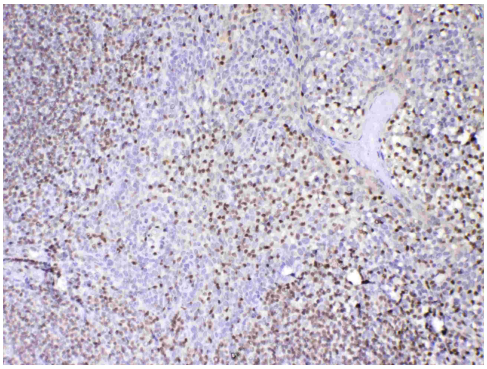
Reference

Anti-BSAP/PAX5 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of BSAP/PAX5 using anti-BSAP/PAX5 antibody (A00669-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Raji whole cell lysates,
Lane 2: Ramos whole cell lysates,
Lane 3: Daudi whole cell lysates,
Lane 4: Jurkat whole cell lysates,
Lane 5: mouse spleen tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-BSAP/PAX5 antigen affinity purified polyclonal antibody (A00669-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for BSAP/PAX5 at approximately 45 kDa. The expected band size for BSAP/PAX5 is at 42 kDa.



IHC analysis of BSAP/PAX5 using anti-BSAP/PAX5 antibody (A00669-1). BSAP/PAX5 was detected in a paraffin-embedded section of human tonsil tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-BSAP/PAX5 Antibody (A00669-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

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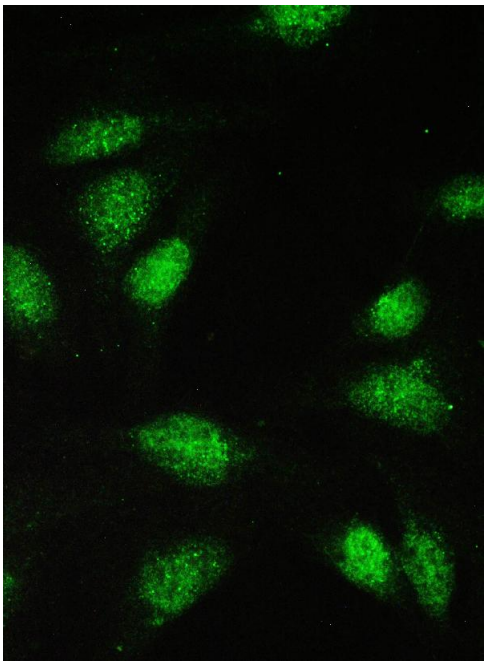

IF analysis of PAX5 using anti-PAX5 antibody (A00669-1).
PAX5 was detected in an immunocytochemical section of U2OS cells. The section was incubated with rabbit anti-PAX5 Antibody (A00669-1) at a dilution of 1:100. Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) was used as secondary antibody.