

Product Datasheet

Pax5/BSAP Antibody NBP2-29905

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-29905**Pax5/BSAP Antibody**

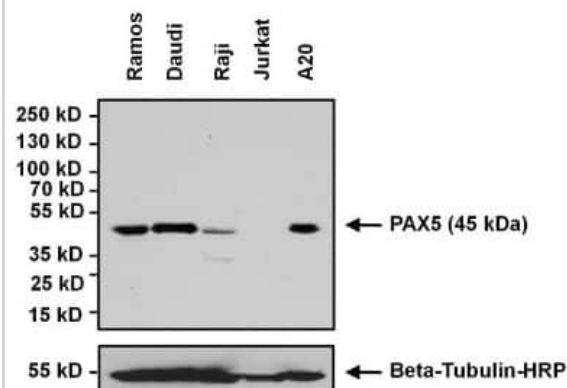
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS with 1 mg/ml BSA and 30% glycerol

Product Description	
Host	Rabbit
Gene ID	5079
Gene Symbol	PAX5
Species	Human, Mouse
Immunogen	Purified internal fragment of human recombinant PAX5 expressed in E. coli

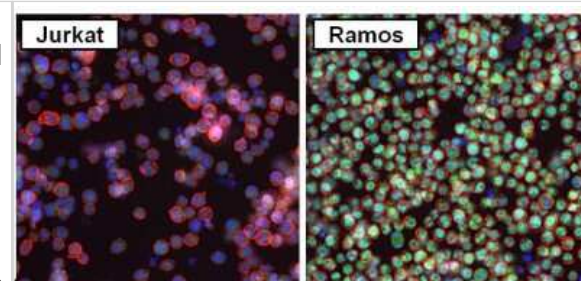
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:50, Immunohistochemistry 1:50 - 1:500, Immunocytochemistry/ Immunofluorescence 1:20 - 1:200, Immunoprecipitation 2 - 5 ug, Immunohistochemistry-Paraffin 1:50 - 1:500
Application Notes	WB: Detects a prominent approx. 45 kDa protein in PAX5 expressing human Ramos, Daudi, Gaji and mouse A20 B-cell lymphoma cells. No PAX5 was detected in negative control Jurkat cells. The 45 kDa band is enriched in IPs from Raji lysate, however additional unknown high molecular weight bands are also enriched and detected by this antiody. PAX5 was also specifically detected by IF in the nuclei of Ramos cells compared to negative control Jurkat cells.

Images

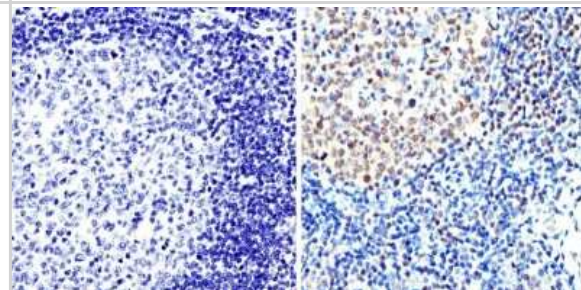
Western Blot: Pax5/BSAP Antibody [NBP2-29905] - Analysis of 75ug of whole cell lysates from PAX5-expressing B cell lymphoma-derived cell lines, negative control Jurkat cells, and 10ul of PageRuler Plus Prestained Protein Ladder.



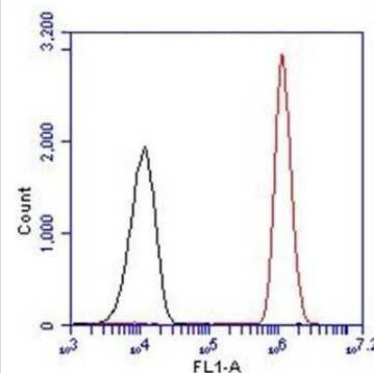
Immunocytochemistry/Immunofluorescence: Pax5/BSAP Antibody [NBP2-29905] - Analysis of PAX5 (green) in Ramos and negative control Jurkat cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were blocked with 2% Blocker BSA for 15 minutes at room temperature. Cells were probed with a PAX5 polyclonal antibody at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with a DyLight 488-conjugated goat anti-rabbit IgG secondary antibody at a dilution of 1:200 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight-554 Phalloidin and nuclei (blue) were stained with Hoechst 33342 dye.



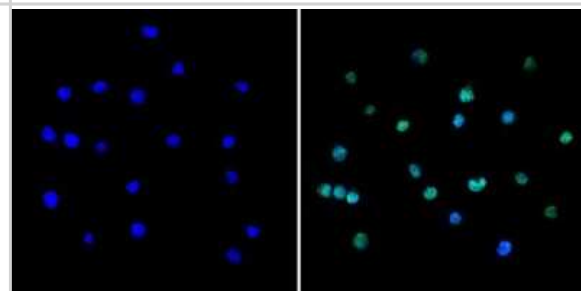
Immunohistochemistry-Paraffin: Pax5/BSAP Antibody [NBP2-29905] - Analysis showing staining in the nucleus of human tonsil tissue (right) compared to a negative control without primary antibody (left).



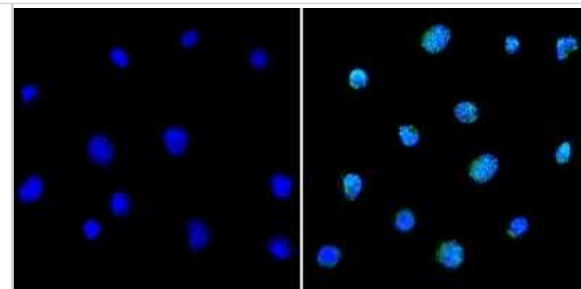
Flow Cytometry: Pax5/BSAP Antibody [NBP2-29905] - Analysis of PAX5 (red histogram) on Ramos cells. Cells were harvested, fixed with 4% formaldehyde, permeabilized, washed with PBS, and incubated with a PAX5 polyclonal antibody at a 1:50 dilution or with PBS alone (black histogram) for 1 hour at room temperature. For flow cytometry analysis, 30-minute incubation with DyLight 488 goat anti-rabbit IgG secondary antibody was performed. 30,000 cells were acquired for analysis.



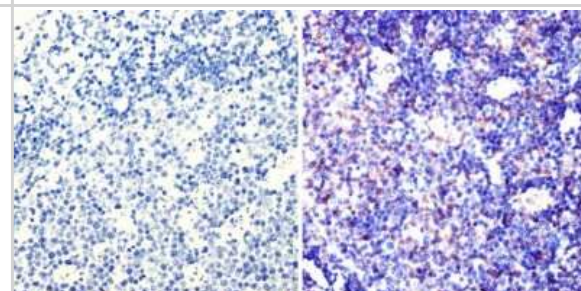
Immunocytochemistry/Immunofluorescence: Pax5/BSAP Antibody [NBP2-29905] - Analysis of PAX5 (green) showing staining in the nucleus of Ramos cells (right) compared to a negative control without primary antibody (left).



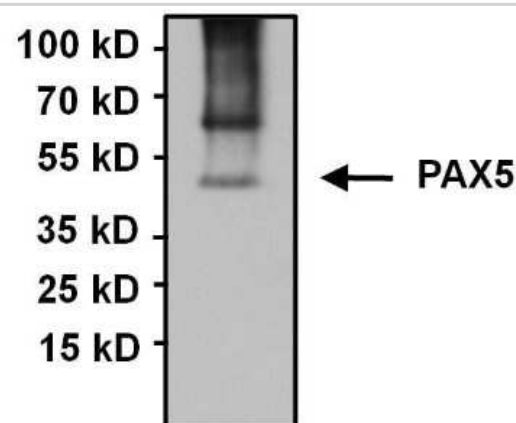
Immunocytochemistry/Immunofluorescence: Pax5/BSAP Antibody [NBP2-29905] - Analysis of PAX5 (green) showing staining in the nucleus of Raji cells (right) compared to a negative control without primary antibody (left).



Immunohistochemistry-Paraffin: Pax5/BSAP Antibody [NBP2-29905] - Analysis showing staining in the nucleus of mouse lymph node tissue (right) compared to a negative control without primary antibody (left).



Immunoprecipitation: Pax5/BSAP Antibody [NBP2-29905] - Analysis of PAX5 was performed using Raji whole cell lysates. Antigen-antibody complexes were formed by incubating 750ug of lysate with 5ug of a PAX5 polyclonal antibody overnight on a rocking platform at 4C. The immune complexes were captured on 50ul Protein A/G Agarose, washed extensively, and eluted with 5X Lane Marker Reducing Sample Buffer. Samples was resolved on a 4-20% Tris-HCl polyacrylamide gel, transferred to a PVDF membrane, and blocked with 5% BSA/TBS-0.1%Tween-20 for 1 hour. The membrane was probed with a PAX5 polyclonal antibody at a dilution of 1:1000 overnight rotating at 4C. Membranes were washed in TBST, and probed with Clean-Blot IP Detection Reagent at a dilution of 1:1000 for at least one hour. Chemiluminescent detection was performed using SuperSignal West Pico.



Publications

Senigl F, Maman Y et al. Topologically Associated Domains Delineate Susceptibility to Somatic Hypermutation. Cell Rep 2019-12-17 [PMID: 31851922] (Chemotaxis, Human)



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