

PAX5 Rabbit mAb

Catalog No: #49259



Package Size: #49259-1 50ul #49259-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

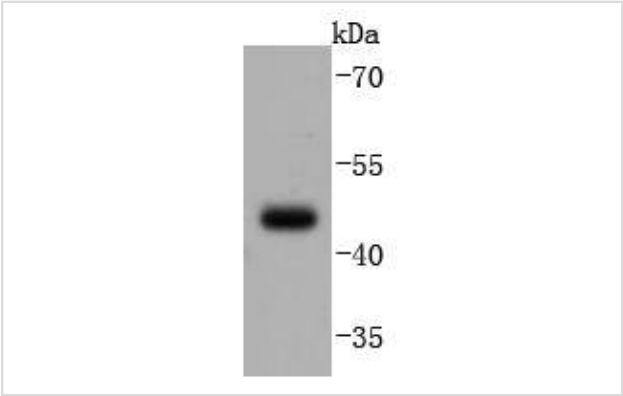
Description

| | |
|-----------------------|--|
| Product Name | PAX5 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | JJ08-87 |
| Purification | ProA affinity purified |
| Applications | WB, ICC/IF, IHC, FC |
| Species Reactivity | Hu, Ms |
| Immunogen Description | recombinant protein |
| Other Names | B cell lineage specific activator antibody B cell lineage specific activator protein antibody B cell specific activator protein antibody B cell specific transcription factor antibody B-cell-specific transcription factor antibody BSAP antibody EBB-1 antibody KLP antibody Paired box 5 antibody Paired box gene 5 (B cell lineage specific activator protein) antibody Paired box gene 5 (B cell lineage specific activator) antibody Paired box gene 5 antibody Paired box homeotic gene 5 antibody Paired box protein Pax 5 antibody Paired box protein Pax-5 antibody Paired domain gene 5 antibody PAX 5 antibody PAX5 antibody PAX5_HUMAN antibody Transcription factor PAX 5 antibody |
| Accession No. | Swiss-Prot#:Q02548 |
| Uniprot | Q02548 |
| GeneID | 5079; |
| Calculated MW | 42 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

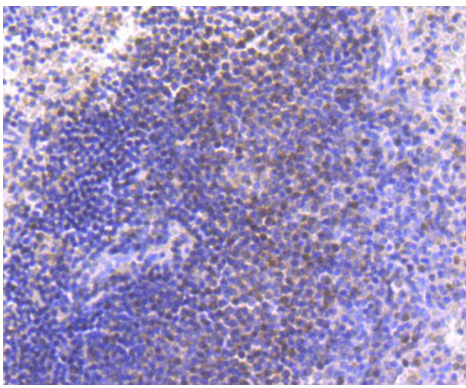
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

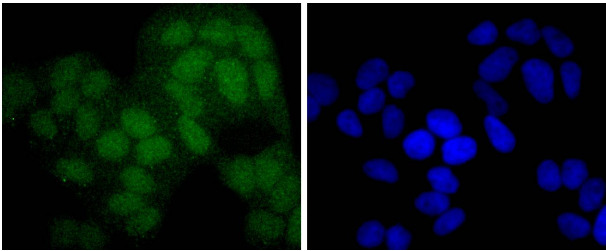
Images



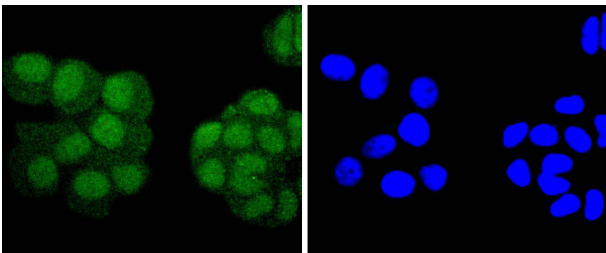
Western blot analysis of PAX5 on Daudi cells lysates using anti-PAX5 antibody at 1/1,000 dilution.



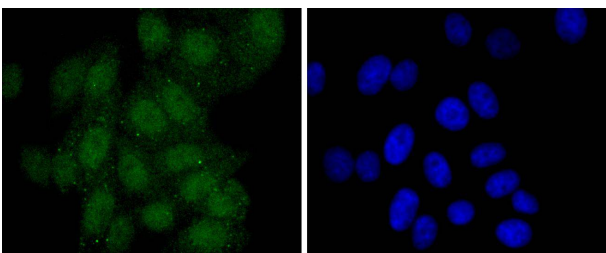
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PAX5 antibody. Counter stained with hematoxylin.



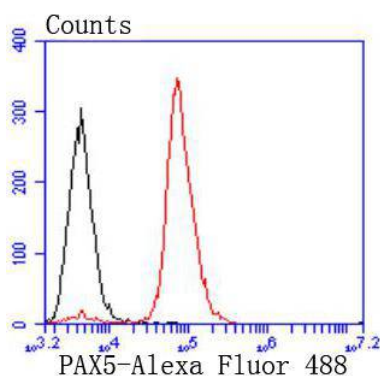
ICC staining PAX5 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PAX5 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PAX5 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Raji cells with PAX5 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

The Pax family of nuclear transcription factors is comprised of nine members that function during embryogenesis to regulate the temporal and position-dependent differentiation of cells. Pax family genes are also involved in a variety of signal transduction pathways in the adult organism. Mutations in Pax proteins have been linked to disease and cancer in humans. For example, the human PAX5 gene encodes a B cell lineage-specific protein, Pax-5, also designated B cell specific activator protein or BSAP, which is expressed in pro-B, pre-B and mature B lymphocytes but not in plasma cells. Pax-5 functions to regulate not only B cell development, but also influences the balance between immunoglobulin secretion and B cell proliferation. Overexpression of Pax-5 has been implicated in cellular transformation, and in the case of small lymphocytic lymphomas with plasmacytoid differentiation, a t(9;14)(p13;q32) translocation resulting in the deregulation of PAX5 gene expression has been detected.

References

Note: This product is for in vitro research use only