



Rabbit Anti-PAX5 monoclonal antibody, clone KK19-98 (CABT-L833)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Target | PAX5 |
| Immunogen | Recombinant protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse |
| Clone | KK19-98 |
| Purification | Protein A purified. |
| Conjugate | Unconjugated |
| Applications | WB, ICC/IF, IHC, FC |
| Molecular Weight | 42 kDa |
| Cellular Localization | Nucleus. |
| Positive Control | Daudi, MCF-7, Hela, HepG2, human tonsil tissue, human spleen tissue. |
| Format | Liquid |
| Size | 100 µl |
| Buffer | 1×TBS (pH7.4), 1% BSA, 40% Glycerol. |
| Preservative | 0.05% Sodium Azide |

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| Storage | Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
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BACKGROUND

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| Introduction | 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. |
| Keywords | B cell lineage specific activator;B cell lineage specific activator protein;B cell specific activator protein;B cell specific transcription factor;B-cell-specific transcription factor;BSAP;EBB-1;KLP;Paired box 5;Paired box gene 5 (B cell lineage specific activator protein);Paired box gene 5 (B cell lineage specific activator);Paired box gene 5;Paired box homeotic gene 5;Paired box protein Pax 5;Paired box protein Pax-5;Paired domain gene 5;PAX 5;PAX5;PAX5_HUMAN;Transcription factor PAX 5 antibody |
