



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

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

Storage

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

BACKGROUND

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
