



# Rabbit Anti-Human PAX5 Monoclonal Antibody, clone CQ7251 (CABT-Z291R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to residues within aa300 to aa400 of PAX-5 was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7251
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	42 kDa
<b>Cellular Localization</b>	Nucleus
<b>Positive Control</b>	Tonsil
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl

<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>Pax genes are a family of developmental control genes that encode nuclear transcription factors and have been implicated in the control of mammalian development.</p> <p>PAX-5 is a marker for B-cells, including B-lymphoblastic neoplasms and maturation stage. It is found in most cases of mature and precursor B-cell non-Hodgkin lymphomas/leukemias. In approximately 97% of cases of classic Hodgkin lymphoma, Reed-Sternberg cells express PAX-5.</p> <p>The antibody is a useful tool for the identification of pro, pre, and mature B cells and for classification of lymphomas and subclassification of classic Hodgkin's lymphoma and anaplastic large cell lymphoma of the T and null-cell type.</p>
<b>Keywords</b>	PAX5; paired box 5; ALL3; BSAP; paired box protein Pax-5; paired domain gene 5; paired box homeotic gene 5; transcription factor PAX 5; B-cell lineage specific activator

## GENE INFORMATION

<b>Gene Name</b>	PAX5
<b>Entrez Gene ID</b>	<a href="#">5079</a>
<b>UniProt ID</b>	<a href="#">Q02548</a>