



Rabbit Anti-Human PAX5 monoclonal antibody, clone TQ45 (CABT-L1514)

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

PRODUCT INFORMATION

Target	PAX5
Immunogen	Synthetic peptide from C-terminus of human Pax-5 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TQ45
Purification	Protein A/G Purified
Conjugate	Unconjugated
Applications	FC, IHC-P
Positive Control	A suggested positive control is tonsil tissue.
Format	Liquid
Buffer	PBS, pH 7.6, with 1% BSA
Preservative	0.1% Sodium Azide
Storage	4°C, do not freeze

BACKGROUND

Introduction

PAX-5 is a B cell specific activator protein (BSAP). In the early stages of B cell development, PAX-5 influences the expression of several B-cell-specific genes, such as CD19 and CD20. PAX-5 is expressed primarily in pro-, pre-, and mature B cells, but not in plasma cells. Interestingly, PAX-5 mRNA is transiently detected in the mesencephalon and spinal cord during embryogenesis. Expression then shifts to the fetal liver and correlates with the onset of B lymphopoiesis. This indicates that PAX-5 is important in B cell development, but may also have a role in proper neuronal development.

GENE INFORMATION

Entrez Gene ID	5079
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UniProt ID	Q02548
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