

Product Name: PAX5 (2F18) Rabbit Monoclonal Antibody
Catalog #: AMRe15787

Summary

Production Name	PAX5 (2F18) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	PAX5
Alternative Names	B cell specific activator protein; B-cell lineage specific activator; BSAP; paired box 5; paired box homeotic gene 5; Paired box protein Pax-5; PAX5; transcription factor PAX 5;
Gene ID	5079.0
SwissProt ID	Q02548.

Application

Dilution Ratio	WB 1:1000-1:2000
Molecular Weight	42kDa

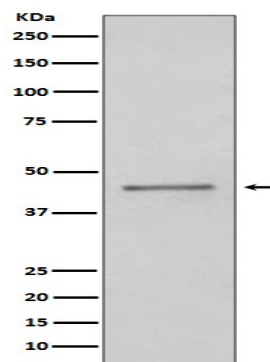
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Background

PAX5 may play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene. Interacts with DAXX. Binds DNA as a monomer. Binds TLE4. Transcription factor that plays an essential role in commitment of lymphoid progenitors to the B-lymphocyte lineage (PubMed: [10811620](http://www.uniprot.org/citations/10811620)), PubMed: [27181361](http://www.uniprot.org/citations/27181361)). Fulfills a dual role by repressing B-lineage inappropriate genes and simultaneously activating B-lineage-specific genes (PubMed: [10811620](http://www.uniprot.org/citations/10811620), PubMed: [27181361](http://www.uniprot.org/citations/27181361)). In turn, regulates cell adhesion and migration, induces V(H)-to-D(H)J(H) recombination, facilitates pre-B-cell receptor signaling and promotes development to the mature B-cell stage (PubMed: [32612238](http://www.uniprot.org/citations/32612238)). Repression of the cohesin-release factor WAPL causes global changes of the chromosomal architecture in pro-B cells to facilitate the generation of a diverse antibody repertoire (PubMed: [32612238](http://www.uniprot.org/citations/32612238)).

Research Area

Image Data



Western blot analysis of PAX5 expression in Ramos cell lysate.

Note

For research use only.