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PAX5 Antibody

Rabbit mAb
Catalog # AP90969

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q02548
Reactivity	Human, Mouse
Clonality	Monoclonal
Other 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;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	42149

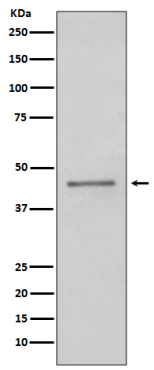
Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:30
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PAX5
Description	AX5 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	PAX5
Function	Transcription factor that plays an essential role in commitment of lymphoid progenitors to the B-lymphocyte lineage (PubMed:10811620, PubMed:27181361). Fulfills a dual role by repressing B-lineage inappropriate genes and simultaneously activating B-lineage- specific genes (PubMed:10811620, PubMed: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). 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).
Cellular Location	Nucleus.

Images



Western blot analysis of PAX5 expression in Ramos cell lysate.

Image not found : 202311/AP90969-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human tonsil, using PAX5 Antibody.

Image not found : 202311/AP90969-IF.jpg

Immunofluorescent analysis of Ramos cells, using PAX5 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.