10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Pax-5 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50195

Product Information

Application	WB
Primary Accession	Q02548
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	42149

Additional Information

Gene ID	5079
Other Names	Paired box protein Pax-5, B-cell-specific transcription factor, BSAP, PAX5
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

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.

Background

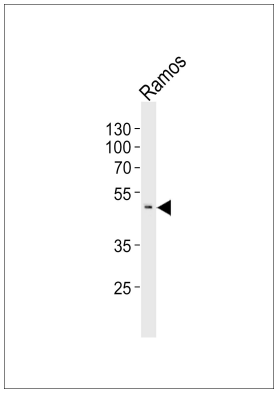
May play an important role in B-cell differentiation as well as neural development and spermatogenesis.

Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene.

References

Adams B.,et al.Genes Dev. 6:1589-1607(1992).
Robichaud G.A.,et al.J. Biol. Chem. 279:49956-49963(2004).
Arseneau J.R.,et al.Br. J. Haematol. 147:328-338(2009).
Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).

Images



Western blot analysis of lysate from Ramos cell line,using Pax-5 Antibody(C0297). C0297 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

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