

Pax-5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50195

Specification

Pax-5 Antibody - Product Information

Application	WB
Primary Accession	Q02548
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42, KDa
Antigen Region	1-29

Pax-5 Antibody - 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°C

Pax-5 Antibody - 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

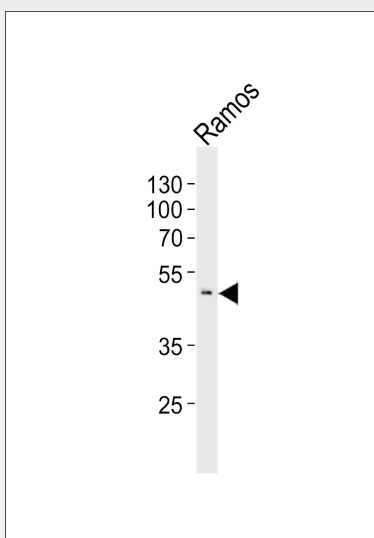
Nucleus.

Pax-5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Pax-5 Antibody - 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 35 µg.

Pax-5 Antibody - 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.

Pax-5 Antibody - 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/DBJ databases.
Humphray S.J., et al. *Nature* 429:369-374 (2004).