

PAX5 Antibody (clone 7D3)
Mouse Monoclonal Antibody
Catalog # ALS16186

Specification

PAX5 Antibody (clone 7D3) - Product Information

Application	IHC, WB
Primary Accession	Q02548
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	42kDa KDa

PAX5 Antibody (clone 7D3) - Additional Information

Gene ID 5079

Other Names

Paired box protein Pax-5, B-cell-specific transcription factor, BSAP, PAX5

Target/Specificity

Human PAX5

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

PAX5 Antibody (clone 7D3) is for research use only and not for use in diagnostic or therapeutic procedures.

PAX5 Antibody (clone 7D3) - 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.

Volume

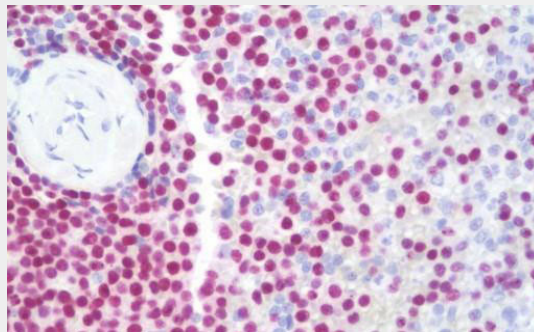
50 μ l

PAX5 Antibody (clone 7D3) - Protocols

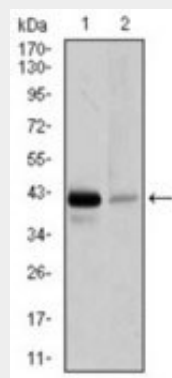
Provided below are standard protocols that you may find useful for product applications.

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

PAX5 Antibody (clone 7D3) - Images



Anti-PAX5 antibody IHC staining of human spleen.



Western blot using PAX5 mouse monoclonal antibody against Raji (1), and EVC-304 (2) cell lysate.

PAX5 Antibody (clone 7D3) - 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.

PAX5 Antibody (clone 7D3) - 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).