

PAX5 Antibody (clone 7D3)
Mouse Monoclonal Antibody
Catalog # ALS16188

Specification

PAX5 Antibody (clone 7D3) - Product Information

Application	IHC
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](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)).

Cellular Location

Nucleus.

Volume

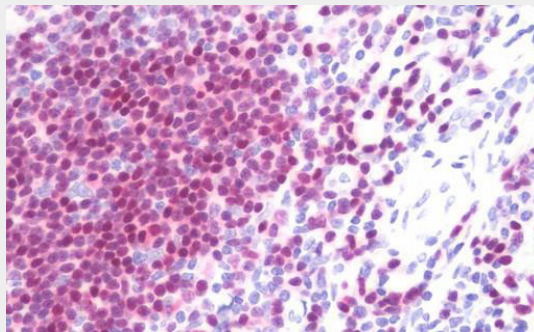
50 μ l

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 tonsil.

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).