

**PAX5 Antibody (clone 1H9)**  
**Rat Monoclonal Antibody**  
**Catalog # ALS17085**

## Specification

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### PAX5 Antibody (clone 1H9) - Product Information

Application	IHC, WB
Primary Accession	<a href="#">O02548</a>
Other Accession	<a href="#">5079</a>
Reactivity	Human, Mouse
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Calculated MW	42149

### PAX5 Antibody (clone 1H9) - Additional Information

Gene ID 5079

#### Other Names

PAX5, BSAP, Paired box 5, Paired box protein Pax-5, Transcription factor PAX 5, Paired box homeotic gene 5

#### Reconstitution & Storage

Aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary. Store at 4°C, avoid repeated freeze thaw cycles.

#### Precautions

PAX5 Antibody (clone 1H9) is for research use only and not for use in diagnostic or therapeutic procedures.

### PAX5 Antibody (clone 1H9) - 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)).

href="http://www.uniprot.org/citations/32612238" target="\_blank">32612238</a>).

### Cellular Location

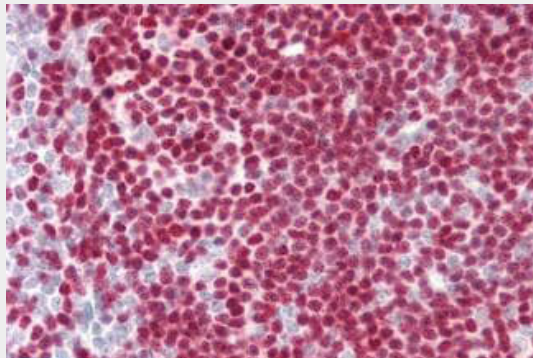
Nucleus.

### PAX5 Antibody (clone 1H9) - Protocols

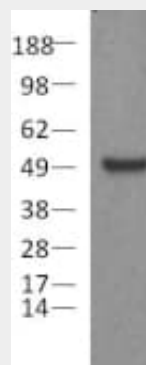
Provided below are standard protocols that you may find useful for product applications.

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

### PAX5 Antibody (clone 1H9) - Images



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Daudi cell lysates prepared under reducing conditions were resolved by SDS-PAGE then...

### PAX5 Antibody (clone 1H9) - 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 1H9) - 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).