

PAX5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11704c**Specification**

PAX5 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q02548](#)**PAX5 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 5079**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PAX5 Antibody (Center) Blocking peptide - 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.

PAX5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PAX5 Antibody (Center) Blocking peptide - Images

PAX5 Antibody (Center) Blocking peptide - Background

Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene hydrolyzes lysophosphatidylcholine to glycerophosphorylcholine and a free fatty acid. This enzyme is present in the plasma and thought to be associated with high-density lipoprotein. A later paper contradicts the function of this gene. It demonstrates that this gene encodes a lysosomal enzyme instead of a lysophospholipase and has both calcium-independent phospholipase A2 and transacylase activities.

PAX5 Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Cucchiara, B.L., et al. Stroke 40(7):2332-2336(2009) Hoffmann, M.M., et al. J. Thromb. Haemost. 7(1):41-48(2009) Schaloske, R.H., et al. Biochim. Biophys. Acta 1761(11):1246-1259(2006)