

POU2F1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11702c

Specification

POU2F1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P14859](#)

POU2F1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 5451

Other Names

POU domain, class 2, transcription factor 1, NF-A1, Octamer-binding protein 1, Oct-1, Octamer-binding transcription factor 1, OTF-1, POU2F1, OCT1, OTF1

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.

POU2F1 Antibody (Center) Blocking peptide - Protein Information

Name POU2F1

Synonyms OCT1, OTF1

Function

Transcription factor that binds to the octamer motif (5'- ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR.

Cellular Location

Nucleus.

Tissue Location

Ubiquitous. Isoform 2 is lymphocyte-specific.

POU2F1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

POU2F1 Antibody (Center) Blocking peptide - Images**POU2F1 Antibody (Center) Blocking peptide - Background**

This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired box. PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell lineage specific activator protein that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis and so the encoded protein may also play a role in neural development and spermatogenesis. This gene is located at 9p13, which is involved in t(9;14)(p13;q32) translocations recurring in small lymphocytic lymphomas of the plasmacytoid subtype, and in derived large-cell lymphomas. This translocation brings the potent enhancer of the IgH gene into close proximity of the PAX5 promoter, suggesting that the deregulation of transcription of this gene contributes to the pathogenesis of these lymphomas. Alternatively spliced transcript variants encoding different isoforms have been described but their biological validity has not been determined.

POU2F1 Antibody (Center) Blocking peptide - References

Song, J., et al. Arch. Pathol. Lab. Med. 134(11):1702-1705(2010) Okamoto, R., et al. Haematologica 95(9):1481-1488(2010) Best, A., et al. Leuk. Res. 34(8):1098-1102(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Vidal, L.J., et al. Mol. Cancer Res. 8(3):444-456(2010)