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POU2F2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13842a

Specification

POU2F2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession P09086

POU2F2 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 5452

Other Names
POU domain, class 2, transcription factor 2, Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2, Octamer-binding protein 2, Oct-2, Octamer-binding transcription factor 2, OTF-2, POU2F2, OCT2, OTF2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13842a was selected from the N-term region of POU2F2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

POU2F2 Antibody (N-term) Blocking peptide - Protein Information

Name POU2F2 (HGNC:9213)

Synonyms OCT2, OTF2

Function
Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3') (PubMed:2904654, PubMed:7859290). Regulates IL6 expression in B cells with POU2AF1 (By similarity). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression (PubMed:2901913, PubMed:2904654). Modulates transcription transactivation by NR3C1, AR and PGR (PubMed:10480874).

Cellular Location
Cytoplasm. Nucleus.

Tissue Location
Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line MOLT-4, but not in the T-cell line BW5147.

POU2F2 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

POU2F2 Antibody (N-term) Blocking peptide - Images

POU2F2 Antibody (N-term) Blocking peptide - Background

POU2F2 is a transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter.

POU2F2 Antibody (N-term) Blocking peptide - References

Galetti, M., et al. Biochem. Pharmacol. 80(2):179-187(2010)Bailey, S.D., et al. Diabetes Care (2010) In press :Advani, A.S., et al. Leuk. Lymphoma 51(4):606-612(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Filipski, K.K., et al. Clin. Pharmacol. Ther. 86(4):396-402(2009)