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SOX30 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6278a

Specification

SOX30 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O94993

SOX30 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 11063

Other Names
Transcription factor SOX-30, SOX30

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6278a was selected from the N-term region of human SOX30. 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.

SOX30 Antibody (N-term) Blocking Peptide - Protein Information

Name SOX30

Function
Acts as both a transcriptional activator and

SOX30 Antibody (N-term) Blocking Peptide - Background

SOX30 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. SOX30 may act as a transcriptional regulator after forming a protein complex with other proteins, and it may be involved in the differentiation of developing male germ cells.

SOX30 Antibody (N-term) Blocking Peptide - References

Koopman,P., Gene 328, 177-186 (2004)Bullejos,M., Genetica 110 (2), 157-162 (2000)Osaki,E., Nucleic Acids Res. 27 (12), 2503-2510 (1999)

repressor (PubMed:10359848, PubMed:29739711). Binds to the DNA sequence 5'-ACAAT- 3' and shows a preference for guanine residues surrounding this core motif (PubMed:10359848). Binds to its own promoter and activates its own transcription (By similarity). Required to activate the expression of postmeiotic genes involved in spermiogenesis (By similarity). Binds to the promoter region of CTNNB1 and represses its transcription which leads to inhibition of Wnt signaling (PubMed:29739711). Also inhibits Wnt signaling by binding to the CTNNB1 protein, preventing interaction of CTNNB1 with TCF7L2/TCF4 (PubMed:29739711).

Cellular Location
Nucleus. Cytoplasm Note=Enriched at the chromocenter. {ECO:0000250|UniProtKB:Q8CGW4}

SOX30 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides