10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SOX11 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16147a

Specification

SOX11 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P35716

SOX11 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 6664

Other Names
Transcription factor SOX-11, SOX11

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.

SOX11 Antibody (N-term) Blocking Peptide - Protein Information

Name SOX11

Function
Transcription factor that acts as a transcriptional activator (PubMed:24886874, PubMed:26543203). Binds cooperatively with POU3F2/BRN2 or POU3F1/OCT6 to gene promoters, which enhances transcriptional activation (By similarity). Acts as a transcriptional activator of TEAD2 by binding to its gene promoter and first intron (By similarity). Plays a redundant role with SOX4 and SOX12 in cell survival of developing tissues such as the neural tube, branchial arches and somites, thereby contributing to organogenesis (By similarity).

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267, ECO:0000269|PubMed:24886874, ECO:0000269|PubMed:35938035}

Tissue Location
Expressed primarily in the brain and heart, with low expression in the kidney, pancreas and muscle

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SOX11 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SOX11 Antibody (N-term) Blocking Peptide - Images

SOX11 Antibody (N-term) Blocking Peptide - Background

This intronless gene encodes a member of the SOX(SRY-related HMG-box) family of transcription factors involved inthe regulation of embryonic development and in the determination ofthe cell fate. The encoded protein may act as a transcriptionalregulator after forming a protein complex with other proteins. Theprotein may function in the developing nervous system and play arole in tumorigenesis.

SOX11 Antibody (N-term) Blocking Peptide - References

Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)Fernandez, V., et al. Cancer Res. 70(4):1408-1418(2010)Dictor, M., et al. Haematologica 94(11):1563-1568(2009)Mozos, A., et al. Haematologica 94(11):1555-1562(2009)Hide, T., et al. Cancer Res. 69(20):7953-7959(2009)