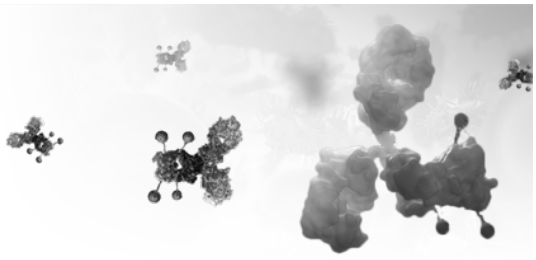

SOX2 blocking peptide (CDBP6169)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	SOX2 SRY (sex determining region Y)-box 2 [Homo sapiens (human)]
Official Symbol	SOX2
Synonyms	SOX2; SRY (sex determining region Y)-box 2; ANOP3; MCOPS3; transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2

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Entrez Gene ID	6657
mRNA Refseq	NM_003106
Protein Refseq	NP_003097
UniProt ID	P48431
Pathway	Cardiac Progenitor Differentiation; Developmental Biology; Hippo signaling pathway; POU5F1 (OCT4); SIDS Susceptibility Pathways; Transcriptional regulation of pluripotent stem cells; Wnt Signaling Pathway and Pluripotency
Function	DNA binding; DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chromatin binding; miRNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; transcription regulatory region sequence-specific DNA binding

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