

SOX11 Rabbit pAb

Catalog # AP99033

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P35716
Other Accession	P35716
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46679
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SOX11
Epitope Specificity	51-150/441
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 HMG box DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This intronless gene encodes 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. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The protein may function in the developing nervous system and play a role in tumorigenesis. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	6664
Other Names	CSS9; IDDMOH; MRD27; 1110038H03Rik; 6230403H02Rik; end1; SOX11_HUMAN; SOX11; SOX11_MOUSE; Sox-11; SOX11_RAT; SRY-box transcription factor 11; SRY (sex determining region Y)-box 11; SRY-box 11; SRY-related HMG-box gene 11
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SOX11
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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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.