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SOX11 Rabbit pAb

Catalog # AP99033

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P35716
Other Accession	P35716
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit
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
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'.