

SOX11 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP52016

Product Information

Application	WB
Primary Accession	P35716
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46679

Additional Information

Gene ID	6664
Other Names	Transcription factor SOX-11, SOX11
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SOX11. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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

Background

Probably important in the developing nervous system. May also have a role in tissue modeling during development.

References

Jay P.,et al.Genomics 29:541-545(1995).
Azuma T.,et al.DNA Res. 6:357-360(1999).
Hillier L.W.,et al.Nature 434:724-731(2005).
Goze C.,et al.Nucleic Acids Res. 21:2943-2943(1993).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

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