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SOX8 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16630c

Product Information

Application	WB, E
Primary Accession	P57073
Other Accession	NP_055402.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47314
Antigen Region	225-253

Additional Information

Gene ID	30812
Other Names	Transcription factor SOX-8, SOX8
Target/Specificity	This SOX8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-253 amino acids from the Central region of human SOX8.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SOX8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SOX8 {ECO:0000303|Ref.1, ECO:0000312|HGNC:HGNC:11203}
Function	Transcription factor that may play a role in central nervous system, limb and facial development. May be involved in male sex determination. Binds the consensus motif 5'-[AT][AT]CAA[AT]G-3' (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}.

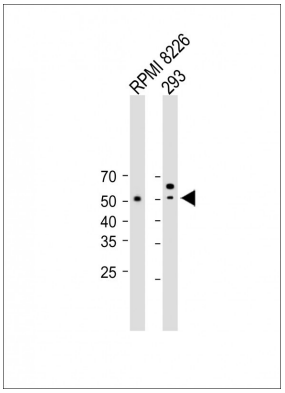
Background

This 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 activator after forming a protein complex with other proteins. This protein may be involved in brain development and function. Haploinsufficiency for this protein may contribute to the mental retardation found in haemoglobin H-related mental retardation (ART-16 syndrome).

References

Nonaka, D. Am. J. Clin. Pathol. 131(5):731-736(2009)
Hoff, S., et al. J. Comp. Neurol. 509(4):356-371(2008)
Wissmuller, S., et al. Nucleic Acids Res. 34(6):1735-1744(2006)
Schepers, G., et al. J. Biol. Chem. 278(30):28101-28108(2003)
Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003)

Images



All lanes : Anti-SOX8 Antibody (Center) 1:500 dilution Lane 1 : RPMI-8226 whole cel lysate Lane 2 : 293 whole cel lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 50kDa Blocking/Dilution buffer : 5% NFDM/TBST.

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