

SOX8 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5251

Product Information

Application	WB
Primary Accession	P57073
Other Accession	NP_055402.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47314
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	30812
Antigen Region	225-253
Other Names	SOX8; Transcription factor SOX-8
Dilution	WB~~ 1:1000
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.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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).

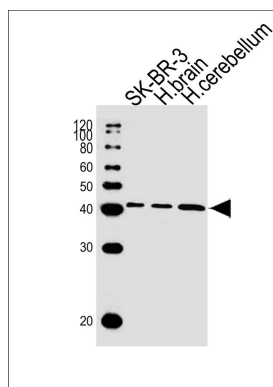
Background

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



Western blot analysis of lysates from SK-BR-3 cell line, human brain, human cerebellum tissue (from left to right), using SOX8 Antibody (Center)(Cat. #AW5251). AW5251 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

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