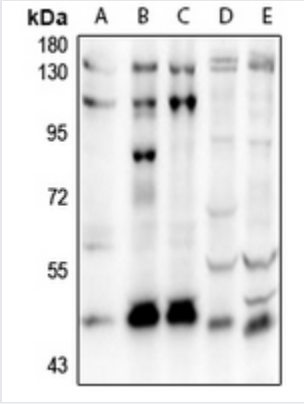
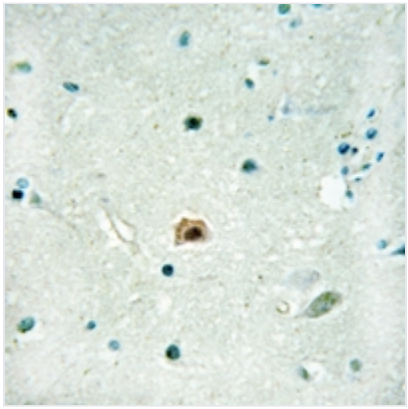
SOX8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SOX8, Polyclonal Antibody
Full Product Name	Anti-SOX8 Antibody
Product Gene Name	anti-SOX8 antibody
Product Synonym Gene Name	SOX9, SOX17, SOX18
Product Synonym Names	SOX8; Transcription factor SOX-8; SOX9; Transcription factor SOX-9; SOX17; Transcription factor SOX-17; SOX18; Transcription factor SOX-18
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	446
OMIM	605923
3D Structure	ModBase 3D Structure for P57073
Notes	ECO:0000303|Ref.1, ECO:0000312|HGNC: HGNC:11203
Applications Tested/Suitable for anti-SOX8 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-SOX8 antibody	MBS9233635 is an antibody targeting SOX8. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to SOX8
Other Notes	Small volumes of anti-SOX8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Wester Blot (WB) of anti-SOX8 antibody
Dilution: WB 1/500 - 1/1000Western blot analysis of SOX8 expression in HEK293T (A), HCT116 (B), HepG2 (C), PC12 (D), CT26 (E) whole cell lysates.



Immunohistochemistry (IHC) of anti-SOX8 antibody
Dilution: IH 1/50 - 1/200Immunohistochemical analysis of SOX8 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SOX8. It may not necessarily be applicable to this product.

NCBI GI #	10720294
NCBI GeneID	30812
NCBI Accession #	P57073.1
UniProt Primary Accession #	P57073
UniProt Secondary Accession #	Q9NZW2
UniProt Related Accession #	P57073
NCBI Official Full Name	Transcription factor SOX-8
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 8
NCBI Official Symbol	SOX8
UniProt Protein Name	Transcription factor SOX-8
Protein Family	Transcription factor
UniProt Gene Name	SOX8
UniProt Entry Name	SOX8_HUMAN
NCBI Protein Information	transcription factor SOX-8
NCBI Summary for SOX8	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). [provided by RefSeq, Jul 2008]
UniProt Comments for SOX8	SOX8: 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'. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: cytoplasm; nucleus Molecular Function: DNA binding; protein heterodimerization activity; transcription factor binding Biological Process: negative regulation of photoreceptor cell differentiation; transcription from RNA polymerase II promoter; fat cell differentiation; cell fate commitment; positive regulation of gliogenesis; in utero embryonic development; astrocyte fate commitment; positive regulation of transcription, DNA-dependent; male gonad development; cell maturation; signal transduction; Sertoli cell development; enteric nervous system development; peripheral nervous system development; osteoblast differentiation; retina development in camera-type eye; positive regulation of osteoblast proliferation; oligodendrocyte differentiation; spermatogenesis; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; negative regulation of myoblast differentiation; neural crest cell migration; negative regulation of apoptosis
Research Articles on SOX8	**1.** SOX8 mRNA levels decrease during in vitro dedifferentiation of human articular chondrocytes and increase during chondrogenic differentiation of mesenchymal stromal cells.
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