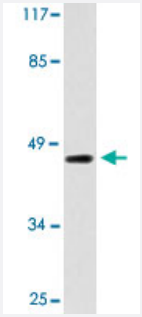
SOX8/SOX9/SOX17/SOX18 polyclonal antibody

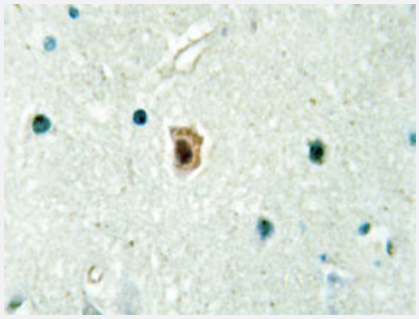
Catalog # PAB26962 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COS-7 cell lysate with SOX8/SOX9/SOX17/SOX18 polyclonal antibody (Cat # PAB26962).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using SOX8/SOX9/SOX17/SOX18 polyclonal antibody (Cat # PAB26962).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SOX8/SOX9/SOX17/SOX18.
Immunogen	A synthetic peptide corresponding to human SOX8/SOX9/SOX17/SOX18.
Host	Rabbit
Theoretical MW (kDa)	47
Reactivity	Human, Mouse
Specificity	SOX8/SOX9/SOX17/SOX18 polyclonal antibody detects endogenous levels of SOX8/SOX9/SOX17/SOX18 protein.

Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of COS-7 cell lysate with SOX8/SOX9/SOX17/SOX18 polyclonal antibody (Cat # PAB26962).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human brain tissue using SOX8/SOX9/SOX17/SOX18 polyclonal antibody (Cat # PAB26962).

Gene Info — SOX9

Entrez GeneID	6662
Protein Accession#	P57073(Gene ID : 30812);P48436(Gene ID : 6662);Q9H6I2(Gene ID : 64321);P35713(Gene ID : 54345)
Gene Name	SOX9
Gene Alias	CMD1, CMPD1, SRA1
Gene Description	SRY (sex determining region Y)-box 9
Omim ID	114290 608160
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal. [provided by RefSeq
Other Designations	SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)|SRY (sex-determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)|SRY (sex-determining region Y)-box 9 protein|campomelic dysplasia, autosomal sex-revers

Gene Info — SOX8

Entrez GeneID	30812
Protein Accession#	P57073(Gene ID : 30812);P48436(Gene ID : 6662);Q9H6I2(Gene ID : 64321);P35713(Gene ID : 54345)
Gene Name	SOX8
Gene Alias	MGC24837
Gene Description	SRY (sex determining region Y)-box 8
Omim ID	605923
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	-

Gene Info — SOX18

Entrez GeneID	54345
Protein Accession#	P57073(Gene ID : 30812);P48436(Gene ID : 6662);Q9H6I2(Gene ID : 64321);P35713(Gene ID : 54345)
Gene Name	SOX18
Gene Alias	HLTS

Gene Description	SRY (sex determining region Y)-box 18
Omim ID	601618 607823
Gene Ontology	Hyperlink
Gene Summary	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 regulator after forming a protein complex with other proteins. This protein plays a role in hair, blood vessel, and lymphatic vessel development. Mutations in this gene have been associated with recessive and dominant forms of hypotrichosis-lymphedema-telangiectasia. [provided by RefSeq
Other Designations	OTTHUMP00000031624|SRY-box 18|Transcription factor SOX-18

Gene Info — SOX17

Entrez GeneID	64321
Protein Accession#	P57073(Gene ID : 30812);P48436(Gene ID : 6662);Q9H6I2(Gene ID : 64321);P35713(Gene ID : 54345)
Gene Name	SOX17
Gene Alias	FLJ22252
Gene Description	SRY (sex determining region Y)-box 17
Omim ID	610928
Gene Ontology	Hyperlink
Gene Summary	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 regulator after forming a protein complex with other proteins. [provided by RefSeq
Other Designations	SRY-box 17|SRY-related HMG-box transcription factor SOX17

Pathway

- Wnt signaling pathway

Disease

- Breast cancer
- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Hemorrhage
- Hypospadias
- Intracranial Aneurysm
- Lymphangiectasis
- Lymphedema
- Lymphedema
- Ovarian Neoplasms
- Sex determination