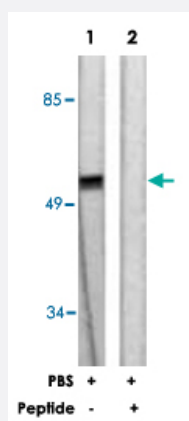


SOX9 polyclonal antibody

Catalog # PAB18221 Size 100 ug

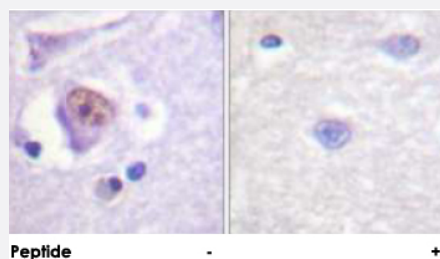
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, treated with PBS (60 mins), using SOX9 polyclonal antibody (Cat # PAB18221).

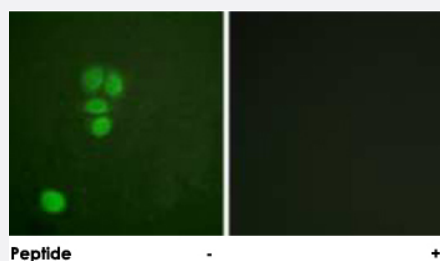
Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using SOX9 polyclonal antibody (Cat # PAB18221).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using SOX9 polyclonal antibody (Cat # PAB18221).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of SOX9.

Immunogen	A synthetic peptide corresponding to residues surrounding S181 of human SOX9.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to SOX9.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, treated with PBS (60 mins), using SOX9 polyclonal antibody (Cat # PAB18221).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human brain tissue using SOX9 polyclonal antibody (Cat # PAB18221).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using SOX9 polyclonal antibody (Cat # PAB18221).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOX9

Entrez GeneID	6662
Protein Accession#	P48436
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-reversal

Publication Reference

- [c-Jun/activator protein-1 mediates interleukin-1beta-induced dedifferentiation but not cyclooxygenase-2 expression in articular chondrocytes.](#)

Hwang SG, Yu SS, Poo H, Chun JS.

The Journal of Biological Chemistry 2005 Aug; 280(33):29780.

Application: WB, Rabbit, Rabbit articular chondrocytes

- [Follicular cells acquire sertoli cell characteristics after oocyte loss.](#)

Guigon CJ, Coudouel N, Mazaud-Guittot S, Forest MG, Magre S.

Endocrinology 2005 Jul; 146(7):2992.

Application: IHC-P, Rat, Rat oocyte-depleted follicle

- [Chemotactic role of neurotrophin 3 in the embryonic testis that facilitates male sex determination.](#)

Cupp AS, Uzumcu M, Skinner MK.

Biology of Reproduction 2003 Jun; 68(6):2033.

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Hypospadias](#)
- [Ovarian Neoplasms](#)
- [Sex determination](#)