Rabbit SOX9 Polyclonal Antibody | anti-SOX9 antibody

SOX9 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288365	**Rabbit**	**Human (Predicted Reactivity: Mouse, Pig)**	**Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

SOX9; Polyclonal Antibody; SOX9 Antibody (N-term); Transcription factor SOX-9; anti-SOX9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SOX9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-70 amino acids from the N-terminal region of human SOX9.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	41-70
Sequence Length	509
Applicable Applications for anti-SOX9 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of anti-SOX9 Antibody (N-term) in HeLa cells. 0.025 mg/ml primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.

IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with SOX9 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

WB (Western Blot)
Western blot analysis of SOX9 (arrow) using rabbit polyclonal SOX9 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SOX9 gene (Lane 2) (Origene Technologies).

WB (Western Blot)
Western blot analysis of anti-SOX9 Antibody (N-term) in K562 cell line lysates (35ug/lane). SOX9 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX9 antibody	SOX9 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.
Product Categories/Family for anti-SOX9 antibody	Developmental biology; Neuroscience; Signal transduction
References	Malki,S., Cancer Lett. 255 (2), 182-193 (2007) Passeron,T., Proc. Natl. Acad. Sci. U.S.A. 104 (35), 13984-13989 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557853
NCBI GeneID	6662
NCBI Accession #	NP_000337.1
NCBI GenBank Nucleotide #	NM_000346.3
UniProt Accession #	P48436; Q53Y80
Molecular Weight	56137
NCBI Official Full Name	transcription factor SOX-9
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 9
NCBI Official Symbol	SOX9
NCBI Official Synonym Symbols	CMD1; SRA1; CMPD1; SRXX2; SRXY10
NCBI Protein Information	transcription factor SOX-9
UniProt Protein Name	Transcription factor SOX-9
UniProt Gene Name	**SOX9**
UniProt Entry Name	SOX9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/sox9-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/288365