



# Anti-SOX9 (aa 400-509) polyclonal antibody (DPAB-DC2942)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	SOX9 (NP_000337, 400 a.a. ~ 509 a.a) partial recombinant protein with GST tag. The sequence is EQLSPSHYSEQQQHSPQQIAYSPFNLPHYSPSYPPITRSQYDYTDHQNSSSYSHAAGQG TGLYSTFTYMNPAQRPMYTPADTSGVPSIPQTHSPQHWEPVYTQLTRP
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SOX9 SRY (sex determining region Y)-box 9 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SOX9
<b>Synonyms</b>	SOX9; SRY (sex determining region Y)-box 9; CMD1; SRA1; CMPD1; transcription factor SOX-9; SRY-related HMG-box, gene 9; SRY (sex-determining region Y)-box 9 protein;
<b>Entrez Gene ID</b>	<a href="#">6662</a>
<b>Protein Refseq</b>	<a href="#">NP_000337</a>
<b>UniProt ID</b>	<a href="#">P48436</a>
<b>Chromosome Location</b>	17q24.3
<b>Pathway</b>	Endochondral Ossification; Spinal Cord Injury;
<b>Function</b>	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; bH