

SOX9 Polyclonal Antibody

Catalog NumberPA5-32597

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:50
Immunogen	Recombinant protein encoding aa 1-150 of human SOX9 protein	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 30 min at room temperature. A suggested positive control is testis tissue.

Background/Target Information

SOX9 has a role in sex determination and differentiation of Sertoli cells. It is involved in chondrogenesis and regulates the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes. Translocation of this gene can cause campomelic dysplasia. SOX9 is involved in the formation of testes from the indifferent fetal gonads. It is a major molecular component of the neuron-glia switch in developing spinal cord. During normal development, SOX9 allows the prostate epithelium to outgrow into the mesenchyme and then provides basal cell support for development and maintenance of the luminal epithelium. These functions of SOX9 are subverted in prostate cancer to support tumor growth and invasion. SOX9 may direct the formation of neural crest precursors and the development of a range of neural crest derivative. It has a transcriptional regulation in melanin production in cells. Northern blot analysis shows its expression on adult testis, adult heart, and fetal brain.

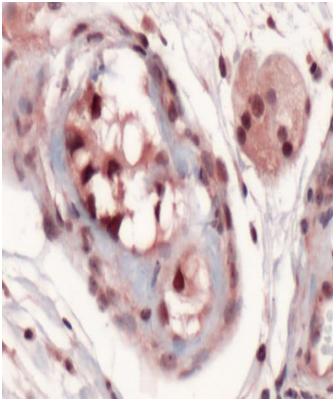
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Product Images For SOX9 Polyclonal Antibody



SOX9 Antibody (PA5-32597) in IHC

Immunohistochemical analysis of SOX-9 using anti-SOX-9 Polyclonal Antibody (Product # PA5-32597) in Testis Cancer Tissue. The recommended dilution for this antibody in immunohistochemistry applications is 1:50.

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