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## 36-3177: Anti-SOX9 / SRY-box 9 Monoclonal Antibody(Clone: SOX9/3141R)

Clonality: Monoclonal Clone Name: SOX9/3141R

Application: IHC Reactivity: Human Gene: SOX9 Gene ID: 6662 **Uniprot ID:** P48436

Campomelic Dysplasia Autosomal Sex Reversal (CMD1); SRA1; SRXX2; SRY (sex determining **Alternative Name:** 

region Y) box 9; SRY related HMG box gene 9; Transcription factor SOX9

Isotype:

Recombinant human SOX9 protein fragment (around aa 393-508) (exact sequence is Immunogen Information:

proprietary)

## **Description**

Sox genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. SOX9 plays an important role in the normal skeletal development. It may regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes.

## **Product Info**

Amount: 20 μg / 100 μg

200 μg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),

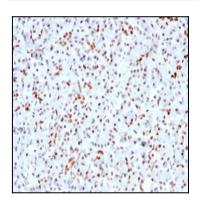


Fig. 1: Formalin-fixed, paraffin-embedded human Pancreas stained with SOX9 Recombinant Rabbit Monoclonal Antibody (SOX9/3141R).



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Fig. 2: SDS-PAGE Analysis Purified SOX9 Recombinant Rabbit Monoclonal Antibody (SOX9/3141R). Confirmation of Purity and Integrity of Antibody.