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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
Alternative Name :	Campomelic Dysplasia Autosomal Sex Reversal (CMD1); SRA1; SRXX2; SRY (sex determining region Y) box 9; SRY related HMG box gene 9; Transcription factor SOX9
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant human SOX9 protein fragment (around aa 393-508) (exact sequence is 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
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody 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),

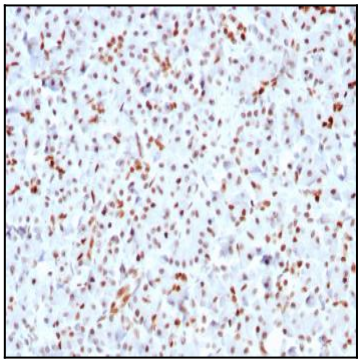


Fig. 1: Formalin-fixed, paraffin-embedded human Pancreas stained with SOX9 Recombinant Rabbit Monoclonal Antibody (SOX9/3141R).

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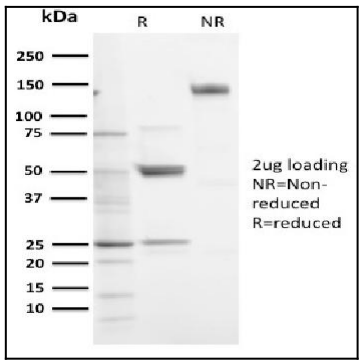


Fig. 2: SDS-PAGE Analysis Purified SOX9 Recombinant Rabbit Monoclonal Antibody (SOX9/3141R). Confirmation of Purity and Integrity of Antibody.

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