

Datasheet for ABIN6940622

**Recombinant anti-SOX9 antibody (AA 393-508)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	SOX9
Binding Specificity:	AA 393-508
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This SOX9 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant human SOX9 protein fragment (around aa 393-508) (exact sequence is proprietary)
Clone:	SOX9-3141R
Isotype:	IgG
Purification:	Purified by Protein A/G

## Target Details

Target:	SOX9
Alternative Name:	SOX9 ( <a href="#">SOX9 Products</a> )

## Target Details

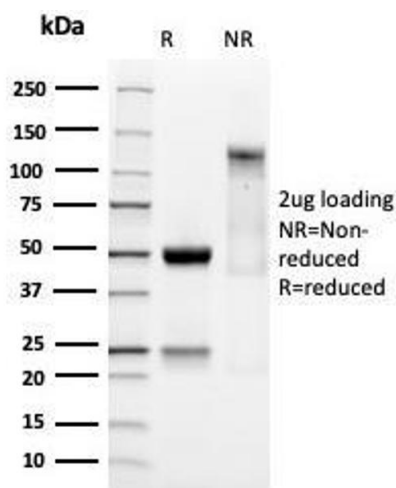
Background:	Sox genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators 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.
Molecular Weight:	65kDa
Gene ID:	6662
UniProt:	<a href="#">P48436</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Tube Formation</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	Positive Control: HepG2 cells. Pancreas.  Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

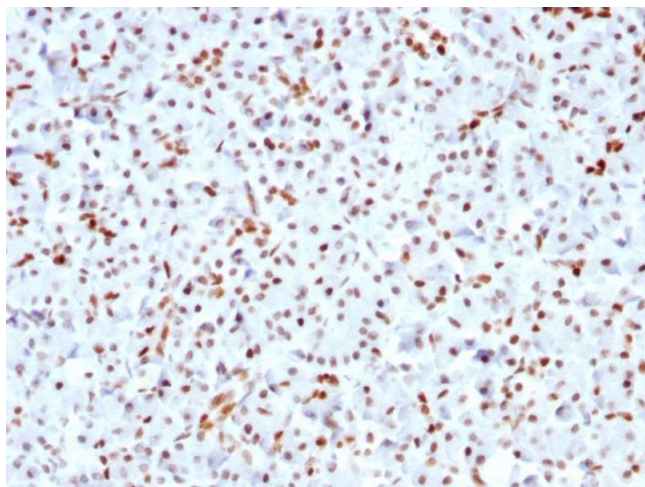
## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified SOX9 Recombinant Rabbit Monoclonal Antibody (SOX9/3141R). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Pancreas stained with SOX9 Recombinant Rabbit Monoclonal Antibody (SOX9/3141R).