

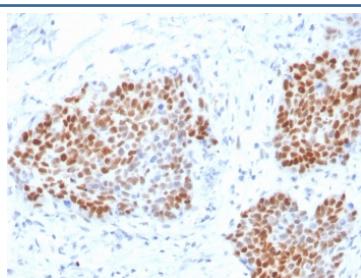
## Recombinant SOX9 Antibody [clone SOX9/3916R] (V8514)

Catalog No.	Formulation	Size
V8514-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8514-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8514SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

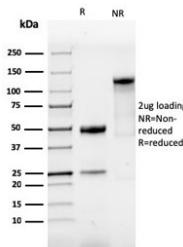
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	SOX9/3916R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P48436
<b>Localization</b>	Nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant SOX9 antibody is available for research use only.



IHC staining of FFPE human pancreas with recombinant SOX9 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant SOX9 antibody as confirmation of integrity and purity.

## 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.

## Application Notes

Optimal dilution of the recombinant SOX9 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 393-508 from the human protein was used as the immunogen for the recombinant SOX9 antibody.

## Storage

Store the recombinant SOX9 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).