

Product Datasheet

Recombinant SOX9 Antibody (orb699614)

Catalog Number	orb699614
Category	Antibodies
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.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein A affinity chromatography
Immunogen	A portion of amino acids 393-508 from the human protein was used as the immunogen for the recombinant SOX9 antibody.
UniProt ID	P48436
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

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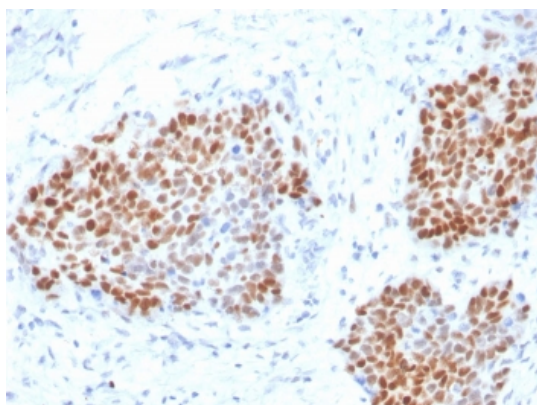
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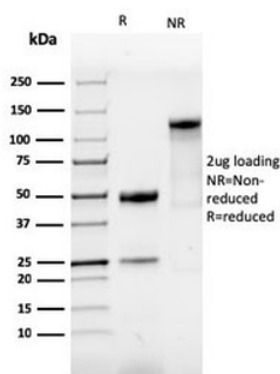
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Application notes	Optimal dilution of the recombinant SOX9 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	SOX9/3916R
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human pancreas with recombinant SOX9 antibody. HIER: boil tissue sections in pH9 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.

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