

Datasheet for ABIN6255043
anti-SOX9 antibody (pSer181)

5 Images

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Overview

Quantity:	100 µL
Target:	SOX9
Binding Specificity:	pSer181
Reactivity:	Human, Mouse, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human SOX9 around the phosphorylation site of Ser181.
Isotype:	IgG
Specificity:	Phospho-SOX9 (Ser181) Antibody detects endogenous levels of SOX9 only when phosphorylated at Serine 181.
Predicted Reactivity:	Pig,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	SOX9
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Target Details

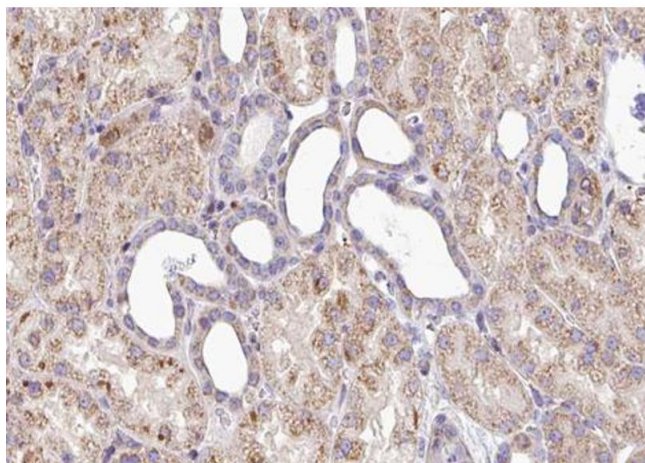
Alternative Name:	SOX9 (SOX9 Products)
Background:	Description: Transcriptional regulator (PubMed:24038782). Binds to the COL2A1 promoter and activates COL2A1 expression, as part of a complex with ZNF219 (By similarity). Plays a role in chondrocyte differentiation (By similarity). Important for normal skeletal development (PubMed:24038782). Gene: SOX9
Molecular Weight:	69kDa
Gene ID:	6662
UniProt:	P48436
Pathways:	EGFR Signaling Pathway , Stem Cell Maintenance , Regulation of Muscle Cell Differentiation , Tube Formation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

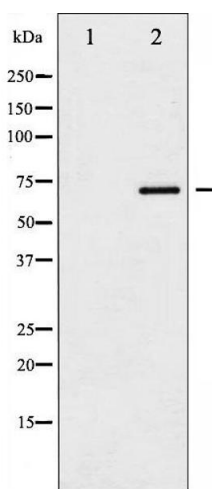
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



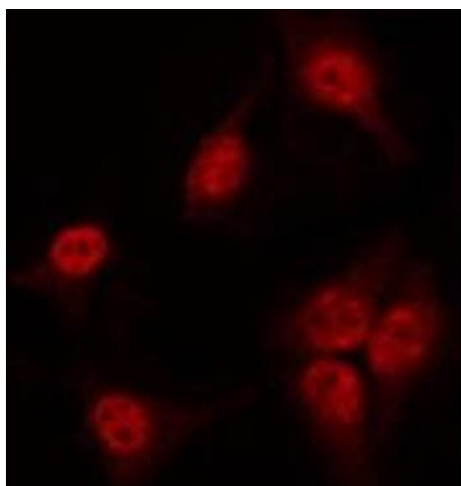
Immunohistochemistry

Image 1. ABIN6267539 at 1/100 staining human Kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 2. Western blot analysis of SOX-9 phosphorylation expression in NIH-3T3 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 3. ABIN6267539 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6255043.