

Rabbit SOX-9 (pS181) Antibody | anti-SOX-9 (pS181) antibody

Rabbit anti SOX-9 (pSer181), Phospho-specific

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71414	Rabbit	Human, Rat, Mouse, Chicken, Bovine, Canine	Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

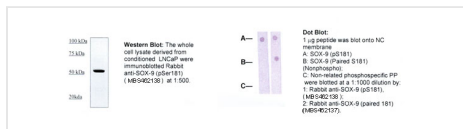
PRODUCT SYNONYMS

SOX-9 (pS181); Rabbit anti SOX-9 (pSer181); Phospho-specific; Rabbit anti-SOX-9 (pSer181); Sry-related high-mobility group (HMG) box 9; anti-SOX-9 (pS181) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken, Bovine, Canine
Specificity	This antibody recognizes ~56 kDa of human SOX-9 protein at the phosphorylation site of Ser181. It does not cross react to non-phospho SOX-9. It also reacts with mouse and rat. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-SOX-9 (pS181) antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide surrounding the epitope -RKSVK- with a single phosphorylation site Ser181. This sequence is identical among human, rat, mouse, bovine, chicken, and dog.
Positive Control	LNCaP prostate Ca Cell
Cellular Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-SOX-9 (pS181) antibody

The SOX9 is a member of the SOX [Sry-related high-mobility group (HMG) box] family of HMG DNA-binding domain transcription factors and is required for the development and differentiation of multiple cell lineages. SOX9 is expressed in primary prostate cancers in vivo, at a higher frequency in recurrent prostate cancer and in prostate cancer cell lines (LNCaP, CWR22, PC3, and DU145). It has been reported that the cAMP/PKA stimulation induces SOX-9 nuclear translocation via facilitating its nuclear import by the phosphorylation of SOX-9 at Ser64 and Ser181. SOX9 in prostate basal cells supports the development and maintenance of the luminal epithelium and that a subset of prostate cancer cells may escape basal cell requirements through SOX9 expression.

References	Hongyun Wang et al. SOX9 Is Expressed in Normal Prostate Basal Cells and Regulates Androgen Receptor Expression in Prostate Cancer Cells. Cancer Research 67, 528-536, January 15, 2007.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	938234
UniProt Accession #	P41225; P35714; Q5JWI3; Q9NP49
Molecular Weight	56 kDa
NCBI Official Full Name	SOX-9
UniProt Protein Name	Transcription factor SOX-3
UniProt Gene Name	SOX3
UniProt Entry Name	SOX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/rabbit-bovine-canine-chicken-human-mouse-ovine-rat-antibody/sox-9-ps181/71414>