

# AbboMax, Inc

Innovation at Work

## Rabbit anti SOX-9 Antibody

Alternate Names: Sry-related high-mobility group (HMG) box 9

### Order Information

Description: Rabbit anti-SOX-9  
Catalogue#: 620-290  
Lot#: See the label  
Size: 100 ug/200 ul  
Host: Rabbit  
Clone: N/A  
Application: ELISA, WB, IHC  
Reactivity: Hu, Rt, Ms, Ck, Bv, Dg

### ANTIGEN PREPARATION

A synthetic peptide derived from internal sequence of Human SOX-9 protein. This sequence is identical among human, rat, mouse, bovine, chicken, and dog.

### BACKGROUND

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.

### PURIFICATION

The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.

### SPECIFICITY

This antibody recognizes ~56 kDa of human SOX-9 protein. It also reacts with mouse and rat. The other species are not tested.

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . The antibodies can be stored at  $2^{\circ}\text{C}$ - $8^{\circ}\text{C}$  for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

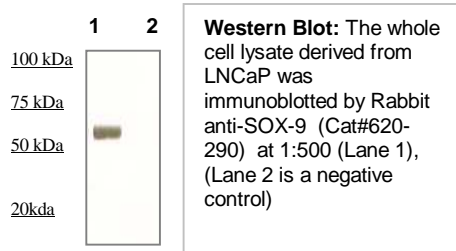
### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 $\mu\text{g/ml}$
ELISA	0.01-0.1 $\mu\text{g/ml}$
Immunoprecipitation	2-5 $\mu\text{g/ml}$
IHC	2-5 $\mu\text{g/ml}$
Flow cytometry	Not tested

<b>MOLECULAR WEIGHT:</b>	56 kDa
<b>POSITIVE CONTROL:</b>	LNCaP prostate Ca Cell
<b>CELLULAR LOCATION:</b>	Nuclear

Optimal dilutions should be determined by researchers for the specific applications.

### DATA ATTACHMENTS



### 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.

**FOR RESEARCH USE ONLY.**