

For Research Use Only

# SOX9 Polyclonal antibody

Catalog Number: 55152-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 55152-1-AP	<b>GenBank Accession Number:</b> NM_000346	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 6662	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P48436	
<b>Isotype:</b> IgG	<b>Full Name:</b> SRY (sex determining region Y)-box 9	
	<b>Calculated MW:</b> 56 kDa	
	<b>Observed MW:</b> 56 kDa, 68-75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, TT cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

## Background Information

SOX9, also named as Transcription factor SOX-9, is a 509 amino acid protein. Sex-determining region Y (SRY)-box 9 protein (SOX9) is a member of the SOX family of transcription factors (TFs) which are developmental regulators that possess high mobility group (HMG) box DNA binding and transactivation domains. It participates in a variety of functions, such as lineage restriction and terminal differentiation, through precise temporal and spatial expression patterns that differ between particular cell types and tissues. SOX9 gene has been implicated in different types of cancer as an oncogene; however, it also may behave as a tumor suppressor. SOX9 can be ubiquitinated or SUMOylated to higher molecular weight (PMID: 24155239; 16307912; 16554309; 32070068)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhou	36243809	Cell Death Discov	WB
Kai Chen	38318502	Drug Des Devel Ther	WB
Jiajia Guo	37910254	Funct Integr Genomics	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

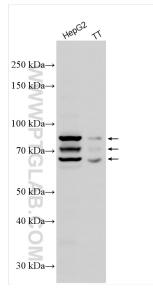
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55152-1-AP (SOX9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.