

## SOX10 Recombinant Rabbit Monoclonal Antibody

**Cat:HKZ150142**

**Company:** HaoKebio

**Uniprot ID:** P56693

**Applications:** IHC: 1:100-1:200

**Organism:**Rabbit

IHC-Polymer: 1:400-1:800

**Species reactivity:**Human

TSA:1:500-1:1000

**Predicted Molecular Weight:** 50 kDa

### Background:

SOX-10 is a member of the SRY-related HMG-box (SOX) family of transcription factors. It is involved in regulating embryonic development and cell fate determination, playing a key role in the complex signaling pathways that govern central nervous system and neural crest development. In normal tissues, SOX-10 is expressed in Schwann cells and glial cells of the nervous system, as well as in melanocytes and epithelial cells of the salivary glands and mammary glands. In tumor tissues, SOX-10 marks melanomas and tumors of neural crest origin. In melanoma cells and neuroblastomas, SOX-10 is more specific than S100 protein and has demonstrated higher sensitivity in some studies.

### Protein full name:

SRY-related HMG-box 10

### Synonyms:

SRY-box transcription factor 9, Transcription factor SOX 10, DOM, PCWH

### Immunogen:

A synthetic peptide corresponding to amino acid residues 366-466 of SOX10 was used as the immunogen.

### Isotype:

IgG

### Subcellular location:

Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

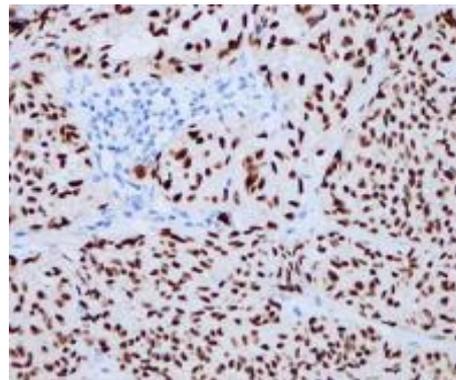
### Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

### Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C - 25 °C) for 30 minutes.

### Images:



Immunohistochemical results of HKZ150142-labeled SOX10 in human melanoma tissue (formalin-fixed, paraffin-embedded sections). Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

### Source of Reagents:

1. Ken Inoue, et al. Human Molecular Genetics, 2007, Vol. 16, No. 24.
2. Nonaka D1, et al. Am J Surg Pathol. 2008 Sep;32(9):1291-8.

### Source of Reagents:

发表[中文论文]请标注: SOX10 (HKZ150142)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:SOX10 (HKZ150142) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

