

**SOX-10**  
Rabbit Monoclonal antibody(Mab)  
Catalog # AD80247

## Specification

---

### SOX-10 - Product info

Application	IHC-P, IHC
Primary Accession	<a href="#">P56693</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	49911

### SOX-10 - Additional info

Gene ID	6663
Gene Name	SOX10
<b>Other Names</b>	
Transcription factor SOX-10, SOX10	

#### Dilution

IHC-P~~Ready-to-use  
IHC~~Ready-to-use

#### Storage

#### Precautions

This product is stored at 2-284 °C, please use it within the expiration date. SOX-10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### SOX-10 - Protein Information

Name SOX10

#### Function

Transcription factor that plays a central role in developing and mature glia. Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination. Once induced, MYRF cooperates with SOX10 to implement the myelination program. Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed:[21965087](#)).

#### Cellular Location

Cytoplasm. Nucleus. Mitochondrion outer membrane  
{ECO:0000250|UniProtKB:Q04888};

Tissue Location

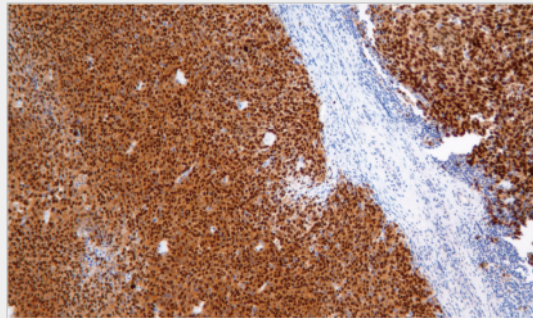
**Peripheral membrane protein**  
{ECO:0000250|UniProtKB:Q04888};  
**Cytoplasmic side**  
{ECO:0000250|UniProtKB:Q04888}  
**Expressed in fetal brain and in adult brain,  
heart, small intestine and colon**

### SOX-10 - Protocols

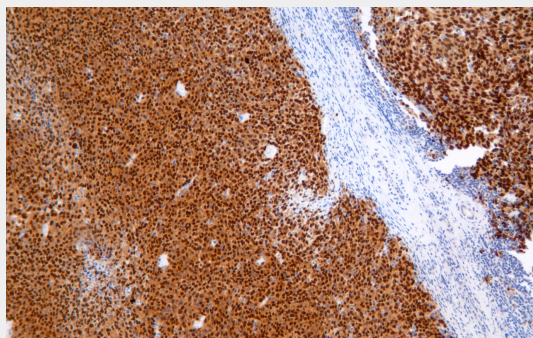
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SOX-10 - Images



Malignant melanoma



Immunohistochemical analysis of paraffin-embedded tissue using AD80278 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.