

**SOX-2**  
Rabbit Monoclonal antibody(Mab)  
Catalog # AD80115

## Specification

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### SOX-2 - Product info

Application	IHC-P, IHC
Primary Accession	<a href="#">P48431</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	34310

### SOX-2 - Additional info

Gene ID	6657
Gene Name	SOX2
<b>Other Names</b>	
Transcription factor SOX-2, SOX2	

### Dilution

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

### Storage

Maintain refrigerated at 2-8°C

### Precautions

**SOX-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

### SOX-2 - Protein Information

**Name** SOX2

**Function**

Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 (By similarity). Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal (By similarity). Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal

Cellular Location

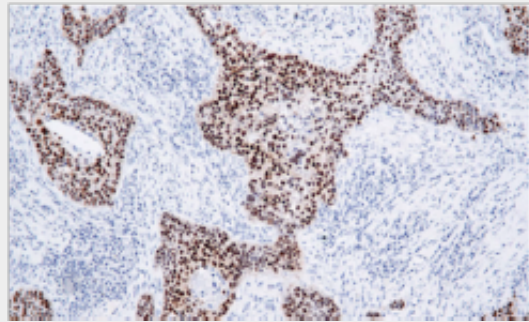
**differentiation (By similarity).  
Nucleus.**

### **SOX-2 - Protocols**

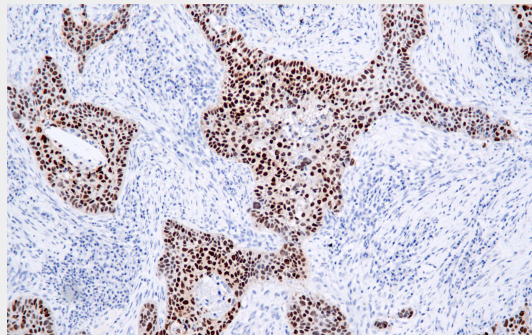
Provided below are standard protocols that you may find useful for product applications.

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

### **SOX-2 - Images**



Lung squamous cell carcinoma



Immunohistochemical analysis of paraffin-embedded human lung squamous carcinoma tissue using AD80277 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.