

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

Specification

SOX-2 - Product info

Application	IHC-P, IHC
Primary Accession	P48431
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	34310

SOX-2 - Additional info

Gene ID	6657
Gene Name	SOX2
Other Names	
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

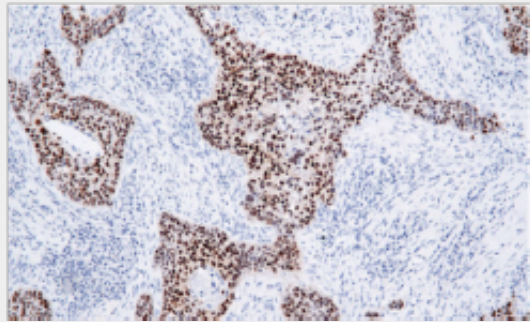
**differentiation (By similarity).
Nucleus.**

SOX-2 - Protocols

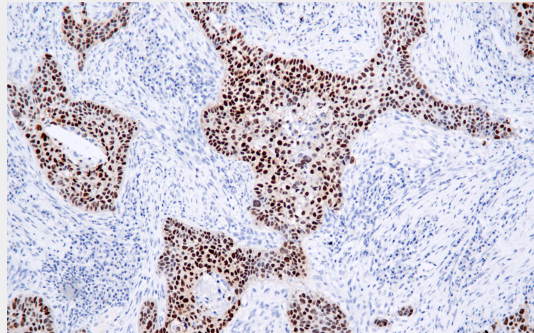
Provided below are standard protocols that you may find useful for product applications.

- [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.