

# Anti-SOX9 Rabbit Monoclonal Antibody

Catalog # ABO13366

## Product Information

---

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC                                                                                                            |
| <b>Primary Accession</b> | <a href="#">P48436</a>                                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                                      |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                  |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                                  |
| <b>Format</b>            | Liquid                                                                                                                      |
| <b>Description</b>       | Anti-SOX9 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

---

|                                 |                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Other Names</b>              | Transcription factor SOX-9, SOX9 {ECO:0000303   PubMed:7990924, ECO:0000312   HGNC:HGNC:11204}                                             |
| <b>Calculated MW</b>            | 56137 Da                                                                                                                                   |
| <b>Application Details</b>      | WB 1:500-1:2000<br>IHC 1:100-1:500<br>ICC/IF 1:50-1:200                                                                                    |
| <b>Subcellular Localization</b> | Nucleus.                                                                                                                                   |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>              | Clone: DAO-19                                                                                                                              |
| <b>Immunogen</b>                | A synthesized peptide derived from human SOX9                                                                                              |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

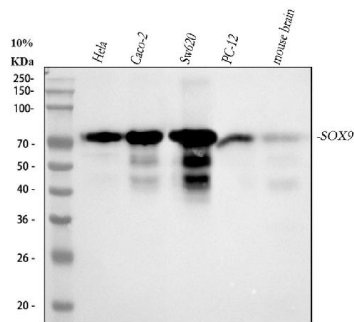
## Protein Information

---

## Images

---

Figure 1. Western blot analysis of SOX9 using anti-SOX9 antibody (M00177).



Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,  
Lane 2: human CACO-2 whole cell lysates,  
Lane 3: human SW620 whole cell lysates,  
Lane 4: rat PC-12 whole cell lysates,  
Lane 5: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SOX9 antigen affinity purified monoclonal antibody (Catalog # M00177) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:1000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SOX9 at approximately 70 kDa. The expected band size for SOX9 is at 56 kDa.

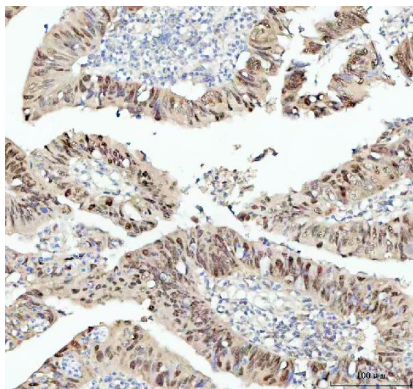


Figure 2. IHC analysis of SOX9 using anti-SOX9 antibody (M00177).

SOX9 was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-SOX9 Antibody (M00177) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

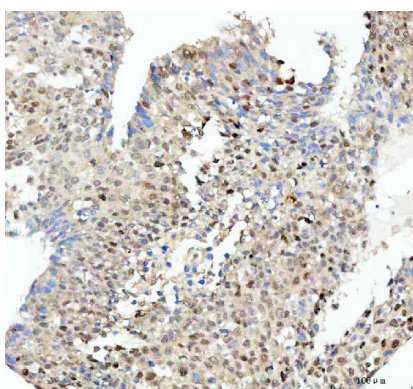
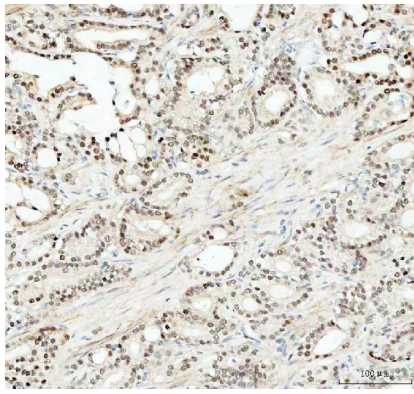


Figure 3. IHC analysis of SOX9 using anti-SOX9 antibody (M00177).

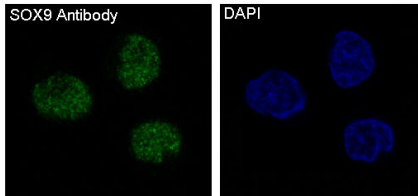
SOX9 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-SOX9 Antibody (M00177) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Figure 4. IHC analysis of SOX9 using anti-SOX9 antibody (M00177).

SOX9 was detected in a paraffin-embedded section of human prostate cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated



with 1:50 rabbit anti-SOX9 Antibody (M00177) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Immunofluorescent analysis of SW480 cells, using SOX9 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.