

## ARG57993 anti-SOX9 antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes SOX9                   |
| Tested Reactivity   | Hu, Ms, Rat                                                  |
| Tested Application  | ICC/IF, IHC-P, WB                                            |
| Host                | Rabbit                                                       |
| Clonality           | Polyclonal                                                   |
| Isotype             | IgG                                                          |
| Target Name         | SOX9                                                         |
| Species             | Human                                                        |
| Immunogen           | Synthetic peptide derived from Human SOX9.                   |
| Conjugation         | Un-conjugated                                                |
| Alternate Names     | SRXY10; CMPD1; CMD1; SRXX2; SRA1; Transcription factor SOX-9 |

### Application Instructions

| Application table | Application                                                                                                                                | Dilution        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                   | ICC/IF                                                                                                                                     | 1:50 - 1:200    |
|                   | IHC-P                                                                                                                                      | 1:100 - 1:500   |
|                   | WB                                                                                                                                         | 1:1000 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

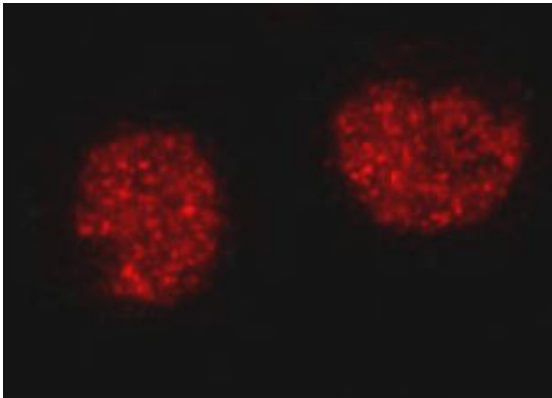
### Properties

|                     |                                                                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                            |
| Purification        | Affinity purified.                                                                                                                                                                                                                                                                                                |
| Buffer              | PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.                                                                                                                                                                                                                                                    |
| Preservative        | 0.02% Sodium azide                                                                                                                                                                                                                                                                                                |
| Stabilizer          | 50% Glycerol                                                                                                                                                                                                                                                                                                      |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                              |

Bioinformation

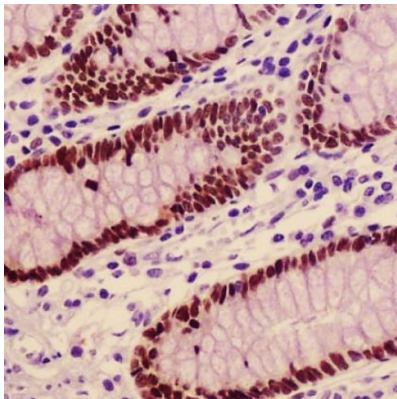
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol    | SOX9                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Full Name | SRY (sex determining region Y)-box 9                                                                                                                                                                                                                                                                                                                                                                                            |
| Background     | The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008] |
| Function       | Plays an important role in the normal skeletal development. May regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes. [UniProt]                                                                                                                                                                                                                                |
| Calculated Mw  | 56 kDa                                                                                                                                                                                                                                                                                                                                                                                                                          |

Images



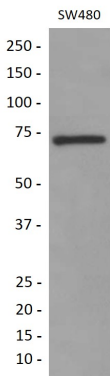
ARG57993 anti-SOX9 antibody ICC/IF image

Immunofluorescence: SW480 cells stained with ARG57993 anti-SOX9 antibody.



ARG57993 anti-SOX9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue stained with ARG57993 anti-SOX9 antibody.



ARG57993 anti-SOX9 antibody WB image

Western blot: SW480 cell lysate stained with ARG57993 anti-SOX9 antibody.