

**ARG56461**  
**anti-SOX9 antibody [334CT39.1.4]**Package: 50 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Mouse Monoclonal antibody recognizes SOX9                                  |
| Tested Reactivity   | Hu   |
| Predict Reactivity  | Ms, Pig  |
| Tested Application  | WB   |
| Host                | Mouse  |
| Clonality           | Monoclonal   |
| Clone               | 334CT39.1.4  |
| Isotype             | IgM  |
| Target Name         | SOX9   |
| Species             | Human  |
| Immunogen           | KLH-conjugated synthetic peptide corresponding to aa. 41-70 of Human SOX9. |
| Conjugation         | Un-conjugated  |
| Alternate Names     | SRXY10; CMPD1; CMD1; SRXX2; SRA1; Transcription factor SOX-9               |

### Application Instructions

|                   |  |                  |
|-------------------|--|------------------|
| Application table | Application  | Dilution         |
|                   | WB   | 1:1000 - 1:16000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                  |
| Positive Control  | HepG2  |                  |

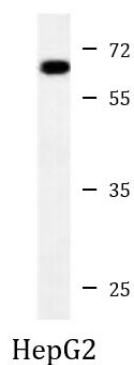
### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Buffer              | Crude ascites and 0.09% (W/V) Sodium azide.  |
| Preservative        | 0.09% (W/V) Sodium azide.  |
| 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 or below. 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

|                       |   |
|-----------------------|---|
| Database links        | <a href="#">GeneID: 6662 Human</a><br><a href="#">Swiss-port # P48436 Human</a>   |
| 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  |
| Cellular Localization | Nucleus {ECO:0000255 PROSITE- ProRule:PRU00267}   |

## Images



ARG56461 anti-SOX9 antibody WB image

Western blot: 35 µg of HepG2 cell lysate stained with ARG56461 anti-SOX9 antibody.