

## Recombinant SOX9 / SRY-box 9 Antibody

Rabbit Monoclonal Antibody [Clone MSVA-709R]

| Catalog No    | Format                         | Size   |
|---------------|--------------------------------|--------|
| 6662-RBM12-P0 | Purified Ab with BSA and Azide | 20 ug  |
| 6662-RBM12-P1 | Purified Ab with BSA and Azide | 100 ug |

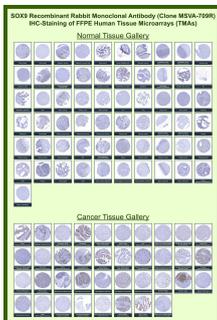
| Applications               | Tested Dillution | Note   |
|----------------------------|------------------|--|
| Immunohistochemistry (IHC) | 1:100-1:200      | Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions. |

### Product Details

|                               |  |
|-------------------------------|--|
| <b>Clone</b>                  | MSVA-709R  |
| <b>Immunogen</b>              | Recombinant humanSOX9 protein fragment (around aa 393-508) (exact sequence is proprietary) |
| <b>Host</b>                   | Rabbit   |
| <b>Clonality</b>              | Monoclonal   |
| <b>Isotype / Light Chain</b>  | IgG / Kappa  |
| <b>Mol. Weight of Antigen</b> | 65kDa  |
| <b>Cellular Localization</b>  | Nucleus  |
| <b>Species Reactivity</b>     | Human  |
| <b>Positive Control</b>       | Colon: A strong SOX9 immunostaining should be seen in epithelial cells of the crypt base.  |

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant SOX9 / SRY-box 9 Antibody



Transcription factor SOX-9 Rabbit Recombinant Monoclonal Antibody (MSVA-709R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

### Specificity & Comments

Sox genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. SOX9 plays an important role in the normal skeletal development. It may regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes.

### Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Developmental Biology, Mesenchymal Stem Cell Differentiation, Neural Stem Cells, Nuclear Marker, Signal Transduction, Stem Cell Differentiation, Transcription Factors

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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