

## Rabbit anti-Human, Mouse SOX-9 Polyclonal Antibody | anti-SOX-9 antibody

SOX-9 (Phospho-Ser181) Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA316224 | Rabbit | Human, Mouse | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

SOX-9; Polyclonal Antibody; SOX-9 (Phospho-Ser181) Antibody; anti-SOX-9 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                           |
| Reactivity                                      | Human, Mouse                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                       |
| Specificity                                     | SOX-9 (Phospho-Ser181) Antibody detects endogenous levels of SOX-9 only when phosphorylated at Ser181.                                                                                           |
| Purity/Purification                             | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                     | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                               |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                 | 509                                                                                                                                                                                              |
| Applicable Applications for anti-SOX-9 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                    |
| Target Modification                             | Phospho                                                                                                                                                                                          |
| Modification Sites                              | H:S181; M:S181                                                                                                                                                                                   |
| Immunogen                                       | The antiserum was produced against synthesized peptide derived from human SOX-9 around the phosphorylation site of Ser181.                                                                       |
| Immunogen Range                                 | 147-196                                                                                                                                                                                          |
| Preparation and Storage                         | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from 293 cells treated with PBS 60', using SOX-9 (Phospho-Ser181) Antibody. The lane on the right is blocked with the phospho peptide.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain, using SOX-9 (Phospho-Ser181) Antibody. The picture on the right is blocked with the phospho peptide.



#### IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells, using SOX-9 (Phospho-Ser181) Antibody. The picture on the right is blocked with the phospho peptide.

### NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 4557853                          |
| NCBI GeneID                      | 6662                             |
| NCBI Accession #                 | NP_000337.1                      |
| NCBI GenBank Nucleotide #        | NM_000346.3                      |
| UniProt Accession #              | P48436; Q53Y80                   |
| Molecular Weight                 | 56 kDa                           |
| NCBI Official Full Name          | transcription factor SOX-9       |
| NCBI Official Synonym Full Names | SRY-box 9                        |
| NCBI Official Symbol             | SOX9                             |
| NCBI Official Synonym Symbols    | CMD1; SRA1; CMPD1; SRXX2; SRXY10 |
| NCBI Protein Information         | transcription factor SOX-9       |
| UniProt Protein Name             | Transcription factor SOX-9       |
| UniProt Gene Name                | <b>SOX9</b>                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sox-9-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/316224>