

## Rabbit anti-Human SOX2 Polyclonal Antibody | anti-SOX2 antibody

SOX2 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA304450 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

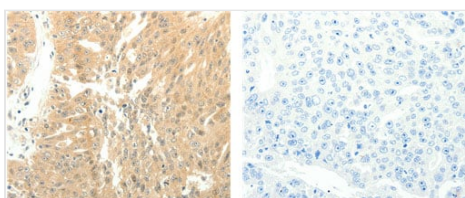
### PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; SOX2 Antibody; SRY (sex determining region Y)-box 2; ANOP3; MCOPS3; anti-SOX2 antibody

### PRODUCT SPECIFICATIONS

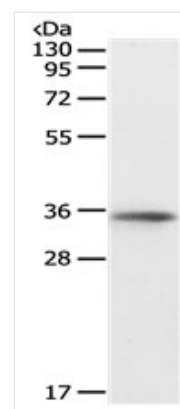
|                                                |                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                   |
| Reactivity                                     | Human                                                                                                    |
| Clonality                                      | Polyclonal                                                                                               |
| Specificity                                    | The antibody detects endogenous level of total SOX2 protein.                                             |
| Form/Format                                    | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol                                           |
| Sequence Length                                | 1172                                                                                                     |
| Applicable Applications for anti-SOX2 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                     |
| Immunogen Type                                 | Recombinant Protein                                                                                      |
| Immunogen Description                          | Fusion protein corresponding to C terminal 250 amino acids of human SRY (sex determining region Y)-box 2 |
| Target Name                                    | SOX2                                                                                                     |
| Preparation and Storage                        | Store at -20°C.                                                                                          |

### IMAGES



#### IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded human ovarian cancer tissue using AAA304450 (SOX2 Antibody) at dilution 1/15, on the right is treated with the fusion protein.



#### Application Data

Gel: 12%SDS-PAGE Lysate: 40 ug MCF7 cell lysate Primary antibody: 1/300 dilution  
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 45 seconds

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SOX2 antibody | This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). |
| Product Categories/Family for anti-SOX2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 33869633                                                |
| NCBI GeneID                      | 6657                                                    |
| Molecular Weight                 | Predicted MW: 34kd                                      |
| NCBI Official Full Name          | Homo sapiens SRY (sex determining region Y)-box 2, mRNA |
| NCBI Official Synonym Full Names | SRY (sex determining region Y)-box 2                    |
| NCBI Official Symbol             | SOX2                                                    |
| NCBI Official Synonym Symbols    | ANOP3; MCOPS3                                           |
| NCBI Protein Information         | transcription factor SOX-2                              |
| UniProt Protein Name             | Transcription factor SOX-2                              |
| UniProt Gene Name                | SOX2                                                    |
| UniProt Entry Name               | SOX2_HUMAN                                              |

**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/sox2-antibody-immunohistochemistry-western-blot-elisa/304450>