

## Rabbit anti-Human SOX18 Polyclonal Antibody | anti-SOX18 antibody

SOX18 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                            |
|-----------|--------|------------|-----------------------------------------|
| AAA289632 | Rabbit | Human      | Western Blot, ELISA, Immunofluorescence |

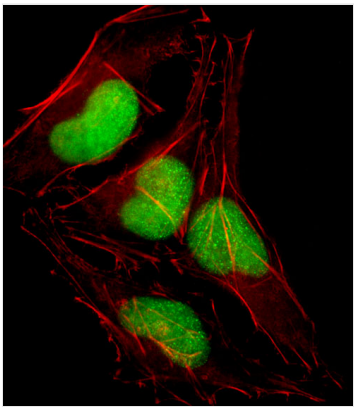
### PRODUCT SYNONYMS

SOX18; Polyclonal Antibody; SOX18 Antibody (N-term); Transcription factor SOX-18; anti-SOX18 antibody

### PRODUCT SPECIFICATIONS

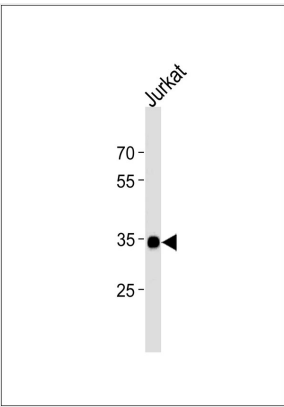
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This SOX18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-88 amino acids from the N-terminal region of human SOX18.         |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 59-88                                                                                                                                                                        |
| Sequence Length                                 | 384                                                                                                                                                                          |
| Applicable Applications for anti-SOX18 antibody | WB (Western Blot), ELISA, IF (Immunofluorescence)                                                                                                                            |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Crown Antibody                                  | Yes                                                                                                                                                                          |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



IF (Immunofluorescence)

Fluorescent confocal image of HeLa cell stained with SOX18 Antibody (N-term). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with SOX18 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). SOX18 immunoreactivity is localized to Nucleus significantly.



WB (Western Blot)

SOX18 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the SOX18 antibody detected the SOX18 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SOX18 antibody | This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. This protein plays a role in hair, blood vessel, and lymphatic vessel development. Mutations in this gene have been associated with recessive and dominant forms of hypotrichosis-lymphedema-telangiectasia. |
| Product Categories/Family for anti-SOX18 antibody   | Crown Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| References                                          | Petrovic, I., et al. Mol. Biol. Rep. 36(5):993-1000(2009)<br>Fontijn, R.D., et al. Am. J. Physiol. Heart Circ. Physiol. 294 (2), H891-H900 (2008) :<br>Ferrell, R.E., et al. Lymphat Res Biol 6(2):69-76(2008)<br>Finegold, D.N., et al. Lymphat Res Biol 6(2):65-68(2008)<br>Young, N., et al. J. Natl. Cancer Inst. 98(15):1060-1067(2006)                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 8924248                               |
| NCBI GeneID                      | 54345                                 |
| NCBI Accession #                 | NP_060889.1                           |
| NCBI GenBank Nucleotide #        | NM_018419.2                           |
| UniProt Accession #              | P35713; Q0VGA9; Q9NPH8                |
| Molecular Weight                 | 40891                                 |
| NCBI Official Full Name          | transcription factor SOX-18           |
| NCBI Official Synonym Full Names | SRY (sex determining region Y)-box 18 |
| NCBI Official Symbol             | SOX18                                 |
| NCBI Official Synonym Symbols    | HLTS; HLTRS                           |

|                          |                             |
|--------------------------|-----------------------------|
| NCBI Protein Information | transcription factor SOX-18 |
| UniProt Protein Name     | Transcription factor SOX-18 |
| UniProt Gene Name        | <b>SOX18</b>                |
| UniProt Entry Name       | SOX18_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/sox18-antibody-western-blot-immunofluorescence-elisa/289632>