

**Goat Anti-SOX15 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2027a****Specification**

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**Goat Anti-SOX15 Antibody - Product Information**

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|-------------------|--------------------------------------------------|
| Application       | WB                                               |
| Primary Accession | <a href="#">O60248</a>                           |
| Other Accession   | <a href="#">NP_008873</a> , <a href="#">6665</a> |
| Reactivity        | Human                                            |
| Host              | Goat                                             |
| Clonality         | Polyclonal                                       |
| Concentration     | 100ug/200ul                                      |
| Isotype           | IgG                                              |
| Calculated MW     | 25251                                            |

**Goat Anti-SOX15 Antibody - Additional Information****Gene ID** 6665**Other Names**

Protein SOX-15, Protein SOX-12, Protein SOX-20, SOX15, SOX12, SOX20, SOX26, SOX27

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-SOX15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-SOX15 Antibody - Protein Information****Name** SOX15**Synonyms** SOX12, SOX20, SOX26, SOX27**Function**

Transcription factor that binds to DNA at the 5'-ACAATG-3' consensus sequence (By similarity). Acts as a transcriptional activator and repressor (By similarity). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (By similarity). Binds to the FOXK1 promoter and recruits FHL3, resulting in transcriptional activation of FOXK1 which leads to myoblast proliferation (By similarity). Acts as an inhibitor of myoblast differentiation via transcriptional repression which

leads to down-regulation of the muscle-specific genes MYOD and MYOG (By similarity). Involved in trophoblast giant cell differentiation via enhancement of HAND1 transcriptional activity (By similarity). Regulates transcription of HRC via binding to it proximal enhancer region (By similarity). Involved in skeletal muscle regeneration (By similarity). Also plays a role in the development of myogenic precursor cells (By similarity).

#### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}.

#### Tissue Location

Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis.

### Goat Anti-SOX15 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-SOX15 Antibody - Images



AF2027a (0.1 µg/ml) staining of Human Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-SOX15 Antibody - Background

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.

### Goat Anti-SOX15 Antibody - References

Identification of NR5A1 (SF-1/AD4BP) gene expression modulators by large-scale gain and loss of function studies. Sakai N, et al. J Endocrinol, 2008 Sep. PMID 18579725.

Overexpression of SOX15 inhibits proliferation of NT2/D1 cells derived from a testicular embryonal cell carcinoma. Yan HT, et al. Mol Cells, 2007 Dec 31. PMID 18182846.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Twenty pairs of sox: extent, homology, and nomenclature of the mouse and human sox transcription factor gene families. Schepers GE, et al. Dev Cell, 2002 Aug. PMID 12194848.