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# Sox17 Antibody (C-term)
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AW5515**

## Specification

### Sox17 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P, IF,E** |
| Primary Accession | Q9H6I2 |
| Other Accession | Q61473 |
| Reactivity | **Human, Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **M=45,31;H=44;R=45 KDa** |
| Isotype | **Rabbit IgG** |
| Antigen Source | **HUMAN** |

### Sox17 Antibody (C-term) - Additional Information

**Gene ID** 64321

**Antigen Region**
353-387

**Other Names**
Transcription factor SOX-17, Sox17, Sox-17

**Dilution**
WB~~1:2000
IHC-P~~N/A
IF~~1:25

**Target/Specificity**
This Sox17 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 353-387 amino acids from the C-terminal region of mouse Sox17.

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

**Precautions**
Sox17 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Sox17 Antibody (C-term) - Protein Information

**Name** SOX17

**Function**

Acts as a transcription regulator that binds target promoter DNA and bends the DNA. Binds to the sequences 5'-AACAAT-'3 or 5'- AACAAAG-3'. Modulates transcriptional regulation via WNT3A. Inhibits Wnt signaling. Promotes degradation of activated CTNNB1. Plays a key role in the regulation of embryonic development. Required for normal development of the definitive gut endoderm. Required for normal looping of the embryonic heart tube. Plays an important role in embryonic and postnatal vascular development, including development of arteries. Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX18. Required for the generation and maintenance of fetal hematopoietic stem cells, and for fetal hematopoiesis. Probable transcriptional activator in the premeiotic germ cells.

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

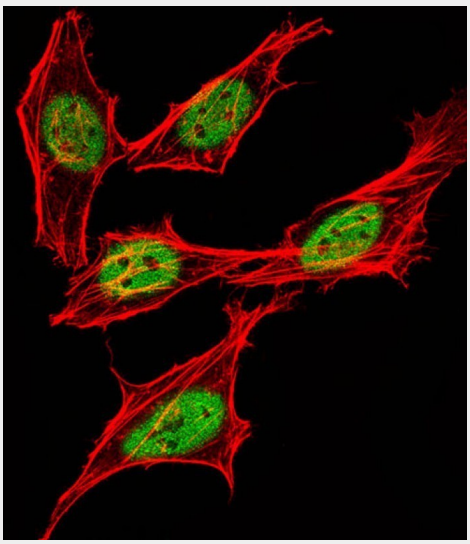
**Tissue Location**
Expressed in adult heart, lung, spleen, testis, ovary, placenta, fetal lung, and kidney. In normal gastrointestinal tract, it is preferentially expressed in esophagus, stomach and small intestine than in colon and rectum.

## Sox17 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Sox17 Antibody (C-term) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized Hela (Human Cervical epithelial adenocarcinoma cell line) cells labeling Pdx1 with AW5515 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing nucleus staining on Hela

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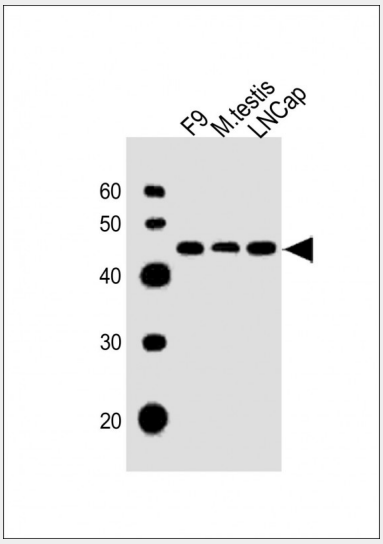
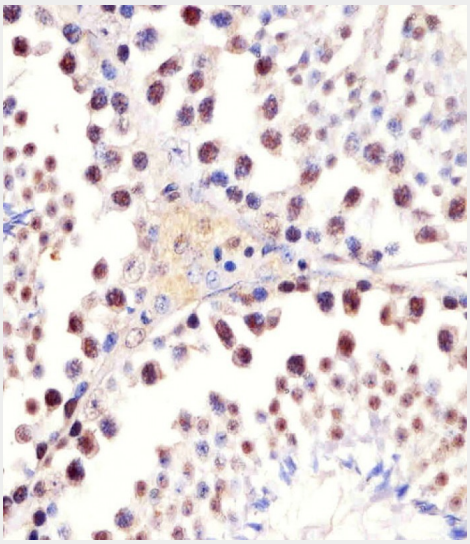
cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).




All lanes : Anti-Sox17 Antibody (C-term) at 1:2000 dilution Lane 1: F9 whole cell lysates Lane 2: mouse testis lysates Lane 3: LNCap whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AW5515 staining mouse Sox17 in mouse testis sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

**Sox17 Antibody (C-term) - Background**

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## Sox17 Antibody (C-term) - References

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Carninci P.,et al.Science 309:1559-1563(2005).
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Kanai-Azuma M.,et al.Development 129:2367-2379(2002).
Kim I.,et al.Cell 130:470-483(2007).