

**SOX17 Antibody (aa70-120)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15273**

**Specification**

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**SOX17 Antibody (aa70-120) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q9H6I2</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Monkey, Opossum, Fish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

**SOX17 Antibody (aa70-120) - Additional Information**

**Gene ID** 64321

**Other Names**

Transcription factor SOX-17, SOX17

**Target/Specificity**

Human SOX17

**Reconstitution & Storage**

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

**Precautions**

SOX17 Antibody (aa70-120) is for research use only and not for use in diagnostic or therapeutic procedures.

**SOX17 Antibody (aa70-120) - Protein Information**

**Name** SOX17

**Function**

Acts as a transcription regulator that binds target promoter DNA and bends the DNA. Binds to the sequences 5'-AACAAAT-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

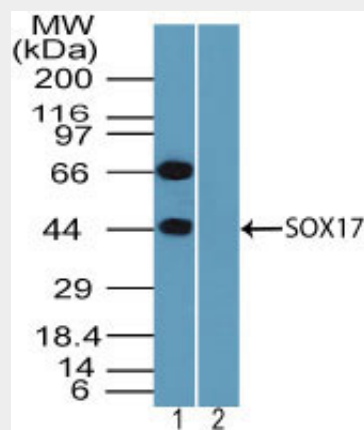
Expressed in adult heart, lung, spleen, testis, ovary, placenta, fetal lung, and kidney. In normal gastrointestinal tract, it is preferentially expressed in esophagus, stomach and small intestine than in colon and rectum.

### SOX17 Antibody (aa70-120) - Protocols

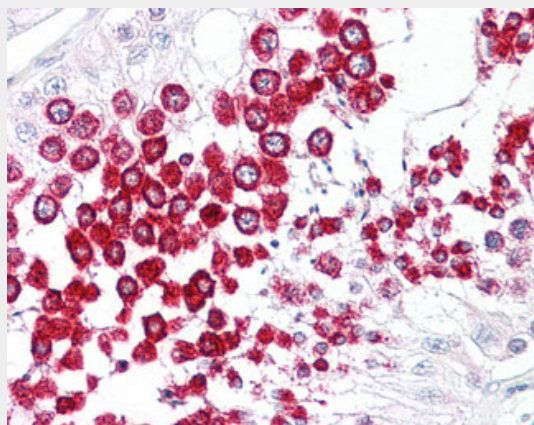
Provided below are standard protocols that you may find useful for product applications.

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

### SOX17 Antibody (aa70-120) - Images



Western blot of SOX17 in mouse embryo brain lysate in the 1) absence and 2) presence of...



Anti-SOX17 antibody IHC of human testis.

### SOX17 Antibody (aa70-120) - Background

Acts as transcription regulator that binds target promoter DNA and bends the DNA. Binds to the

sequences 5'- AACAAAT-'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 looping of the embryonic heart tube. Required for normal development of the definitive gut endoderm. Probable transcriptional activator in the premeiotic germ cells (By similarity).

#### **SOX17 Antibody (aa70-120) - References**

Katoh M.,et al.Int. J. Mol. Med. 9:153-157(2002).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Gimelli S.,et al.Hum. Mutat. 31:1352-1359(2010).