

**(Mouse) Sox17 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20861c**

**Specification**

**(Mouse) Sox17 Antibody (C-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O61473</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>44646</b>

**(Mouse) Sox17 Antibody (C-term) - Additional Information**

**Gene ID 20671**

**Other Names**

Transcription factor SOX-17, Sox17, Sox-17

**Target/Specificity**

This (Mouse) Sox17 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 376-409 amino acids from the C-terminal region of human (Mouse) Sox17.

**Dilution**

WB~~1:1000

**Format**

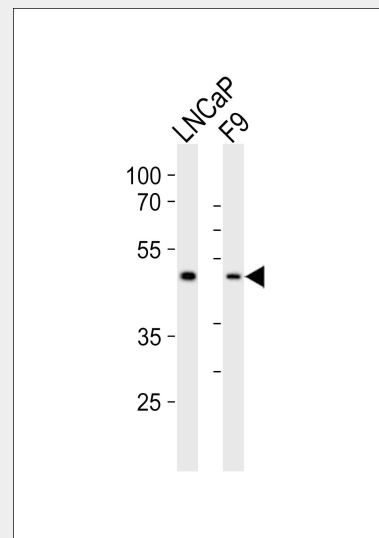
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

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



Western blot analysis of lysates from LNCaP, mouse F9 cell line (from left to right), using Sox17 Antibody (C-term)(Cat. #AP20861c). AP20861c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

**(Mouse) Sox17 Antibody (C-term) - 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. Isoform 2 (T-SOX17) shows no DNA-binding activity.

**(Mouse) Sox17 Antibody (C-term) - References**

**(Mouse) Sox17 Antibody (C-term) - Protein Information****Name** Sox17**Synonyms** Sox-17**Function**

Acts as transcription regulator that binds target promoter DNA and bends the DNA (PubMed:<a href="http://www.uniprot.org/citations/8636240" target="\_blank">8636240</a>, PubMed:<a href="http://www.uniprot.org/citations/24153254" target="\_blank">24153254</a>, PubMed:<a href="http://www.uniprot.org/citations/19328208" target="\_blank">19328208</a>). Binds to the sequences 5'-AACAAAT-3' or 5'-AACAAAG-3' (PubMed:<a href="http://www.uniprot.org/citations/8636240" target="\_blank">8636240</a>). Modulates transcriptional regulation via WNT3A. Inhibits Wnt signaling. Promotes degradation of activated CTNNB1. Plays a key role in the regulation of embryonic development (PubMed:<a href="http://www.uniprot.org/citations/11973269" target="\_blank">11973269</a>, PubMed:<a href="http://www.uniprot.org/citations/17655922" target="\_blank">17655922</a>, PubMed:<a href="http://www.uniprot.org/citations/24153254" target="\_blank">24153254</a>). Required for normal development of the definitive gut endoderm (PubMed:<a href="http://www.uniprot.org/citations/11973269" target="\_blank">11973269</a>). Required for normal looping of the embryonic heart tube. Plays an important role in embryonic and postnatal vascular development, including development of arteries (PubMed:<a href="http://www.uniprot.org/citations/24153254" target="\_blank">24153254</a>). Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX18 (PubMed:<a href="http://www.uniprot.org/citations/16895970" target="\_blank">16895970</a>). Required for the generation and maintenance of fetal hematopoietic stem cells, and for fetal hematopoiesis (PubMed:<a href="http://www.uniprot.org/citations/17655922" target="\_blank">17655922</a>).

Kanai Y.,et al.J. Cell Biol. 133:667-681(1996).  
Carninci P.,et al.Science 309:1559-1563(2005).  
Layfield R.,et al.Submitted (FEB-1994) to the EMBL/GenBank/DDBJ databases.  
Kanai-Azuma M.,et al.Development 129:2367-2379(2002).  
Kim I.,et al.Cell 130:470-483(2007).

target="\_blank">17655922</a>). Probable transcriptional activator in the premeiotic germ cells.

#### **Cellular Location**

Nucleus

{ECO:0000255|PROSITE-ProRule:PRU00267,  
ECO:0000269|PubMed:20802155,  
ECO:0000269|PubMed:24153254,  
ECO:0000269|PubMed:8636240}

#### **Tissue Location**

Detected in lung and testis (PubMed:8636240). Detected in endothelial cells around small and large arteries in newborns and adults, but is barely detectable in veins (at protein level) (PubMed:24153254). Detected in lung and testis (PubMed:8636240)

#### **(Mouse) 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 Cytometry](#)
- [Cell Culture](#)