10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SOX17 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2659a

Specification

SOX17 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9H6I2
Other Accession	NP_071899.1, 64321, 312936 (rat)
Predicted	**Human, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**44117**

SOX17 Antibody (internal region) - Additional Information

Gene ID 64321

Other Names
Transcription factor SOX-17, SOX17

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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
SOX17 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SOX17 Antibody (internal region) - 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 (internal region) - 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 (internal region) - Images

SOX17 Antibody (internal region) - References

Sox17 dependence distinguishes the transcriptional regulation of fetal from adult hematopoietic stem cells. Kim I, Saunders TL, Morrison SJ. Cell. 2007 Aug 10;130(3):470-83. Epub 2007 Jul 26. PMID: 17655922

SOX17 Antibody (internal region) - Citations

- Nonsense-Mediated RNA Decay Influences Human Embryonic Stem Cell Fate.