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

SOX17 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI11575

Product Information

Application	WB, IHC
Primary Accession	Q9H6I2
Other Accession	NM_022454, NP_071899
Reactivity	Human, Mouse, Rat, Pig, Dog
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44117

Additional Information

Gene ID	64321
Alias Symbol	FLJ22252, VUR3
Other Names	Transcription factor SOX-17, SOX17
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SOX17 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SOX17 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SOX17
Function	Acts as a transcription regulator that binds target promoter DNA (PubMed:33952808). 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.

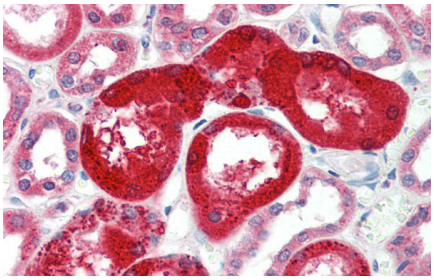
Cellular Location Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}.

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.

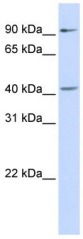
References

Zhang,W., (2008) Cancer Res. 68 (8), 2764-2772 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Kallas, A., Pook, M., Trei, A. & Maimets, T. SOX2 Is Regulated Differently from NANOG and OCT4 in Human Embryonic Stem Cells during Early Differentiation Initiated with Sodium Butyrate. Stem Cells Int. 2014, 298163 (2014). WB, Human, Pig, Guinea pig, Dog, Rat, Mouse24707296

Images



Rabbit Anti-SOX17 Antibody
Paraffin Embedded Tissue: Human Kidney
Antibody Concentration: 5 µg/ml



WB Suggested Anti-SOX17 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Hela cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.