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

Specification

SOX17 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	Q9H6I2
Other Accession	NM_022454, NP_071899
Reactivity	**Human, Mouse, Rat, Pig, Dog**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**44kDa KDa**

SOX17 antibody - middle region - 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.

SOX17 antibody - middle 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}.

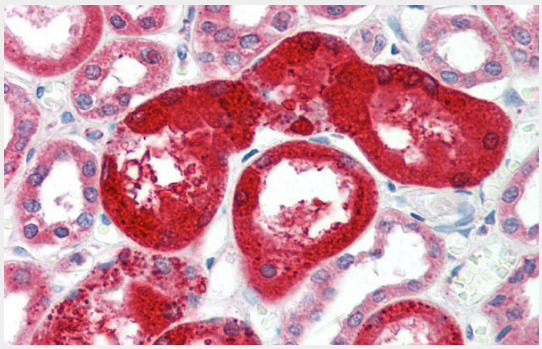
Tissue Location
Expressed in adult heart, lung, spleen, testis, ovary, placenta, fetal lung, and kidney. In normal gastrointestinal tract, it is preferentially expressed in esophagus, stomach and small intestine than in colon and rectum.

SOX17 antibody - middle region - Protocols

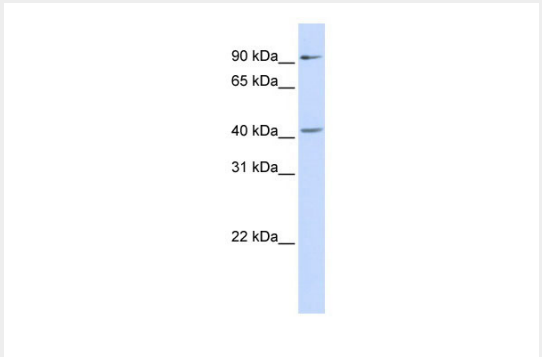
Provided below are standard protocols that you may find useful for product applications.

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

SOX17 antibody - middle region - 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

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

SOX17 antibody - middle region - 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