## For Research Use Only

## SOX17 Polyclonal antibody

Catalog Number:24903-1-AP

**Featured Product** 

**10 Publications** 



**Basic Information** 

Catalog Number: GenBank Accession Number: 24903-1-AP

BC111365 GeneID (NCBI):

**Purification Method:** Antigen affinity purification

Size: 150ul, Concentration: 500 µg/ml by

64321

Recommended Dilutions: WB 1:1000-1:4000

Nanodrop and 320 µg/ml by Bradford Full Name:

method using BSA as the standard;

SRY (sex determining region Y)-box

Rabbit Calculated MW: Isotype: 414 aa, 44 kDa IgG Observed MW: Immunogen Catalog Number: 44 kDa

AG19157

**Applications** 

**Tested Applications:** 

WB. FIISA

Cited Applications:

IF. WB

Species Specificity: human, mouse, rat **Cited Species:** 

human, rat, mouse

**Positive Controls:** 

WB: C6 cells, PC-3 cells, mouse embryo

**Background Information** 

Transcription factor SOX 17 (SOX17) also named as SRY box 17 is a 414 amino acid protein, which contains one Sox C-terminal domain and one HMG box DNA-binding domain. SOX17 as a transcription regulator binds target promoter DNA and bend the DNA via WNT3A. SOX17 is a marker of endodermal cells and a transcriptional regulator containing a DNA binding domain called the HMG box. In mouse embryos, SOX17 plays critical roles in the growth and differentiation of definitive endodermal cells (PMID: 11973269), the remodeling of endothelial cells (PMID: 16895970), hindgut endoderm expansion with localization of primordial germ cells (PMID: 19371732), and gallbladder/bile duct formation (PMID: 19913509).

## Notable Publications

| Author                | Pubmed ID | Journal           | Application |
|-----------------------|-----------|-------------------|-------------|
| Xiang Xiong           | 33144185  | Cell Signal       | WB          |
| Xianmixinuer Abulaiti | 28988986  | Stem Cell Reports | WB          |
| Jiajia Yang           | 34034221  | Stem Cell Res     | IF          |

Storage

Store at -20°C. Stable for one year after shipment.

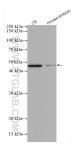
Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

## **Selected Validation Data**



Various lysates were subjected to SDS PAGE followed by western blot with 24903-1-AP (SOX17 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.