

For Research Use Only

# SOX17 Polyclonal antibody

Catalog Number: 24903-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 24903-1-AP	<b>GenBank Accession Number:</b> BC111365	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 64321	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>Full Name:</b> SRY (sex determining region Y)-box 17	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 414 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG19157	<b>Observed MW:</b> 44 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : C6 cells, PC-3 cells, mouse embryo
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	

## 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

**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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data

