

For Research Use Only

SOX17 Polyclonal antibody

Catalog Number: 24903-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

24903-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19157

GenBank Accession Number:

BC111365

GeneID (NCBI):

64321

UNIPROT ID:

Q9H6I2

Full Name:

SRY (sex determining region Y)-box 17

Calculated MW:

414 aa, 44 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

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

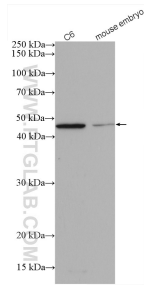
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.