

Product datasheet

Anti-SOX17 antibody ab191699

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Overview

Product name	Anti-SOX17 antibody
Description	Rabbit polyclonal to SOX17
Host species	Rabbit
Specificity	Predicted not cross-react with other SOX proteins.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human SOX17 (internal sequence). 16 amino acids. Database link: Q9H6I2
Positive control	HepG2 cell lysate. Mouse liver tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab191699** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

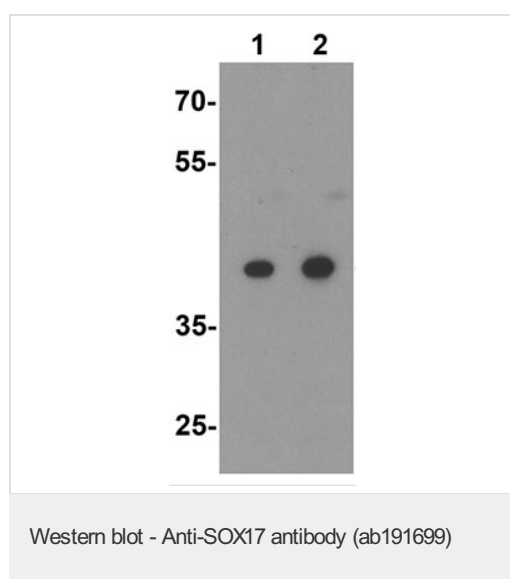
Application	Abreviews	Notes
WB	★☆☆☆☆	Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 44 kDa).

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.

Target

Function	Acts as 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 looping of the embryonic heart tube. Required for normal development of the definitive gut endoderm. Probable transcriptional activator in the premeiotic germ cells.
Tissue specificity	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.
Involvement in disease	Defects in SOX17 are the cause of vesicoureteral reflux type 3 (VUR3) [MIM:613674]. VUR3 is a disease belonging to the group of congenital anomalies of the kidney and urinary tract. It is characterized by the reflux of urine from the bladder into the ureters and sometimes into the kidneys, and is a risk factor for urinary tract infections. Primary disease results from a developmental defect of the ureterovesical junction. In combination with intrarenal reflux, the resulting inflammatory reaction may result in renal injury or scarring, also called reflux nephropathy. Extensive renal scarring impairs renal function and may predispose patients to hypertension, proteinuria, renal insufficiency and end-stage renal disease.
Sequence similarities	Contains 1 HMG box DNA-binding domain. Contains 1 Sox C-terminal domain.
Cellular localization	Nucleus.

Images



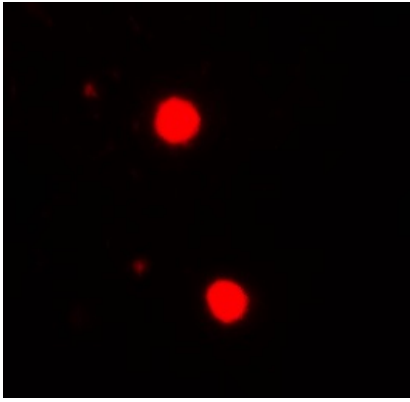
Lane 1 : Anti-SOX17 antibody (ab191699) at 0.5 µg/ml

Lane 2 : Anti-SOX17 antibody (ab191699) at 1 µg/ml

All lanes : HepG2 cell lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 44 kDa



Immunofluorescent analysis of mouse liver tissue labeling SOX17 with ab191699 at 20 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-SOX17 antibody (ab191699)

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