

## Product datasheet

# Anti-SOX17 antibody ab191699

★☆☆☆☆ [1 Abreviews](#) [6 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-SOX17 antibody
<b>Description</b>	Rabbit polyclonal to SOX17
<b>Host species</b>	Rabbit
<b>Specificity</b>	Predicted not cross-react with other SOX proteins.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human SOX17 (internal sequence). 16 amino acids. Database link: <a href="#">Q9H6I2</a>
<b>Positive control</b>	WB: HepG2 cell lysate
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

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

## Target

### Function

Acts as transcription regulator that binds target promoter DNA and bends the DNA. Binds to the sequences 5'-AACAAAT-'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.

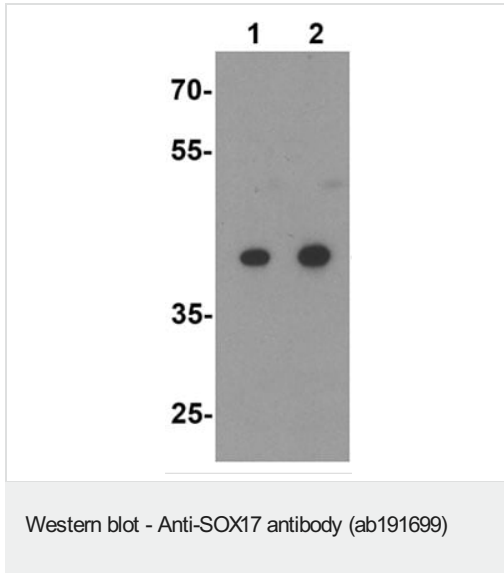
### Sequence similarities

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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors