




Product datasheet

Anti-SOX17 antibody ab155402

★☆☆☆☆ [1 Abreviews](#) [5 References](#) [3 Images](#)

Overview

Product name	Anti-SOX17 antibody
Description	Rabbit polyclonal to SOX17
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Zebrafish 
Immunogen	Synthetic peptide corresponding to Human SOX17 aa 70-120. Sequence: RPMNAFMVWAKDERKRLAQQNPDHNAELSKMLGKSW KALTAEKRPFVE E Database link: Q9H6I2  Run BLAST with  Run BLAST with
Positive control	Human uterus tissue, Human testis tissue, Mouse embryo brain lysate
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155402 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 1 - 3 µg/ml. Predicted molecular weight: 44 kDa.
IHC-P		Use a concentration of 5 - 10 µg/ml.

Target

Function

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

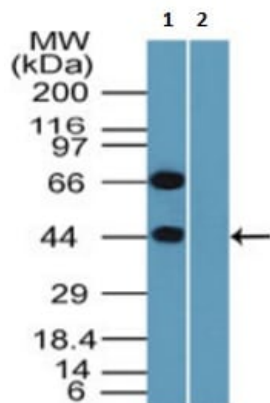
Sequence similarities

Contains 1 HMG box DNA-binding domain.
Contains 1 Sox C-terminal domain.

Cellular localization

Nucleus.

Images



Western blot - Anti-SOX17 antibody (ab155402)

All lanes : Anti-SOX17 antibody (ab155402) at 1 µg/ml

Lane 1 : Mouse embryo brain lysate

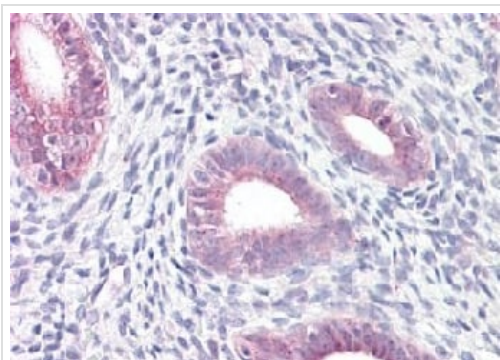
Lane 2 : Mouse embryo brain lysate with immunizing peptide

Secondary

All lanes : Goat anti-rabbit Ig HRP

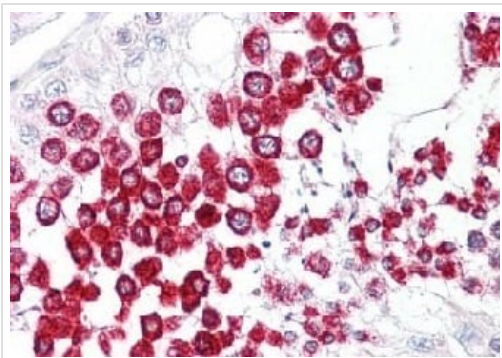
Developed using the ECL technique.

Predicted band size: 44 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX17 antibody (ab155402)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human uterus tissue labeling SOX17 using ab155402 at 10 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX17 antibody (ab155402)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human testis tissue labeling SOX17 using ab155402 at 10 µg/ml.

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

- 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

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