

## Product datasheet

### Anti-SOX8 antibody ab27655

★★★★★ [6 Abreviews](#) [17 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-SOX8 antibody
<b>Description</b>	Rabbit polyclonal to SOX8
<b>Host species</b>	Rabbit
<b>Specificity</b>	Antibody was raised using a synthetic peptide corresponding to Sox8. However, this antibody demonstrates cross reactivity against Sox10. Does not cross react with SOX9
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Chicken
<b>Immunogen</b>	Synthetic peptide corresponding to Chicken SOX8 aa 400-500 (C terminal). Database link: <a href="#">P57074</a>

 [Run BLAST with](#)

 [Run BLAST with](#)

#### General notes

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.

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

#### Properties

<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 or -80°C. Avoid freeze / thaw cycle.
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

#### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab27655 in the following tested applications.

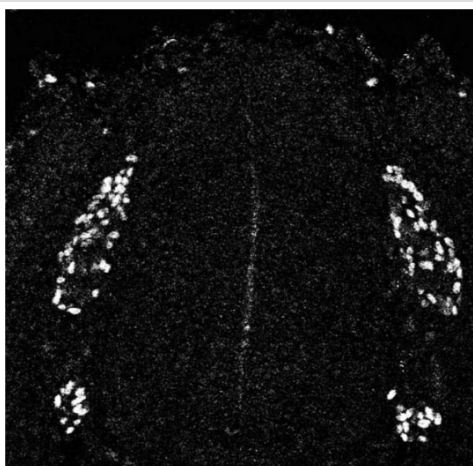
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB	★★★★★ (2)	Use at an assay dependent concentration. Detects a band of approximately 56 kDa (predicted molecular weight: 50 kDa).

## Target

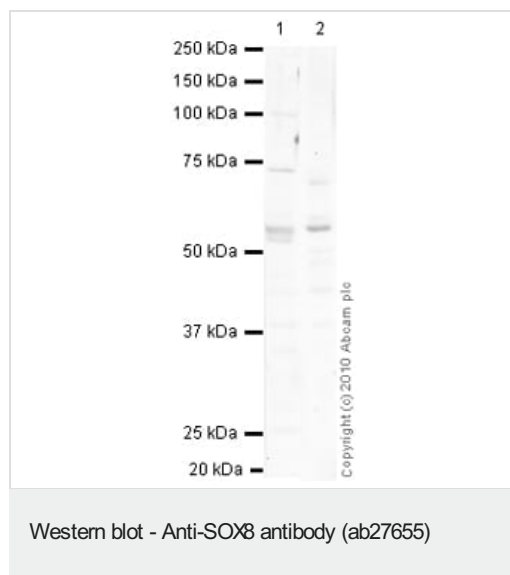
<b>Function</b>	May play a role in central nervous system, limb and facial development. May be involved in male sex determination. Binds the consensus motif 5'-[AT][AT]CAA[AT]G-3'.
<b>Sequence similarities</b>	Contains 1 HMG box DNA-binding domain.
<b>Cellular localization</b>	Nucleus.

## Images



Sections through the trunk of E4 chick embryos fixed in 4 % paraformaldehyde and stained with anti-SOX10 (ab27655) diluted 1/5000. Secondary antibody was FITC-conjugated donkey anti-rabbit. ab27655 stains the embryonic neural crest cells which can be seen migrating into the dorsal root ganglion.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX8 antibody (ab27655)



**All lanes :** Anti-SOX8 antibody (ab27655) at 1/500 dilution

**Lane 1 :** Brain (Mouse) Tissue Lysate

**Lane 2 :** Heart (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 50 kDa

**Observed band size:** 56 kDa

**Additional bands at:** 100 kDa, 74 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 8 minutes

SOX10 contains a number of potential phosphorylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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