

Product datasheet

Anti-PAX1 antibody [5A2] ab252847

Recombinant

[3 References](#) [3 Images](#)

Overview

Product name	Anti-PAX1 antibody [5A2]
Description	Rat monoclonal [5A2] to PAX1
Host species	Rat
Tested applications	Suitable for: IHC-Fr, IHC-P Unsuitable for: WB
Species reactivity	Reacts with: Mouse
Immunogen	Full length protein (GST-tag) corresponding to Mouse PAX1.
Positive control	IHC-P: Mouse embryoy day 14.5 tissue. IHC-Fr: Mouse E14.5 embryo tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	5A2
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab252847 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-Fr		Use a concentration of 28.76 µg/ml. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IHC-P		Use a concentration of 1.438 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for WB.

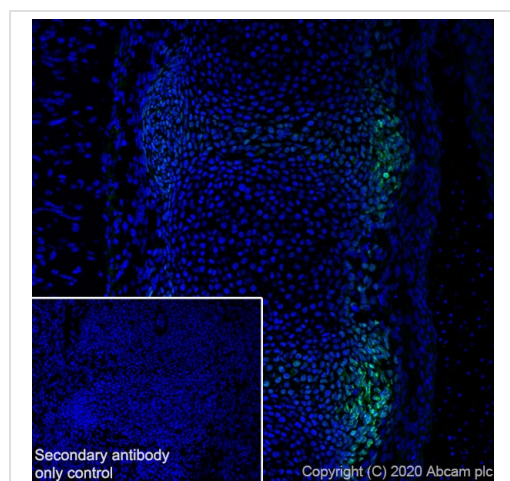
Target

Function This protein is a transcriptional activator. It may play a role in the formation of segmented structures of the embryo. May play an important role in the normal development of the vertebral column.

Sequence similarities Contains 1 paired domain.

Cellular localization Nucleus.

Images

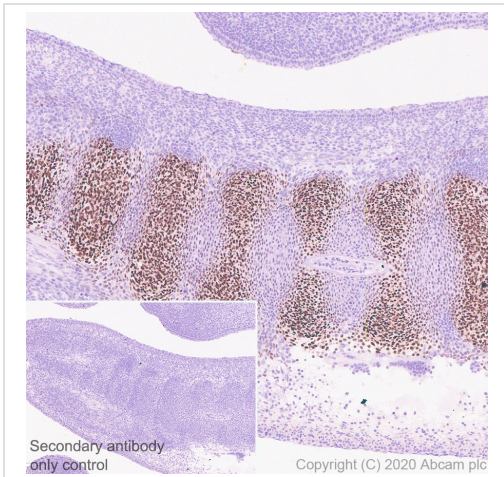


Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse E14.5 embryo tissue labeling PAX1 with ab252847 at 128.76 µg/mL followed by **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at dilution (Green). Positive staining on mouse embryo is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150157** Goat Anti-Rat IgG H&L (Alexa Fluor® 488) at dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Immunohistochemistry (Frozen sections) - Anti-PAX1 antibody [5A2] (ab252847)



Immunohistochemical analysis of paraffin-embedded mouse embryo day 14.5 tissue labeling PAX1 with ab252847 at 1.438 µg/mL followed by a ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)). Nuclear staining on the intervertebral disk in mouse embryo day 14.5. The section was incubated with ab252847 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX1 antibody [5A2] (ab252847)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-PAX1 antibody [5A2] (ab252847)

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

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