




## Product datasheet

# Anti-FoxJ1 antibody [CL3989] ab220028

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### Overview

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<b>Product name</b>	Anti-FoxJ1 antibody [CL3989]
<b>Description</b>	Mouse monoclonal [CL3989] to FoxJ1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human FoxJ1 aa 150-350. Database link: <a href="#">Q92949</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Epitope</b>	Binds to an epitope located within the peptide sequence EPGKGGFWRI (aa 188-197) as determined by overlapping synthetic peptides.
<b>Positive control</b>	IHC-P: Human fallopian tube and endometrium tissues. ICC: BEWO cells
<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: 7.20 Preservative: 0.02% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number CL3989  
Isotype IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab220028 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		1/1000 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC		Use a concentration of 2 - 10 µg/ml. Fixation/Permeabilization: PFA/Triton X-100

## Target

**Function** May play an important role in cell fate determination during lung development and in spermatogenesis.

**Tissue specificity** Testis, oviduct, lung and brain cortex.

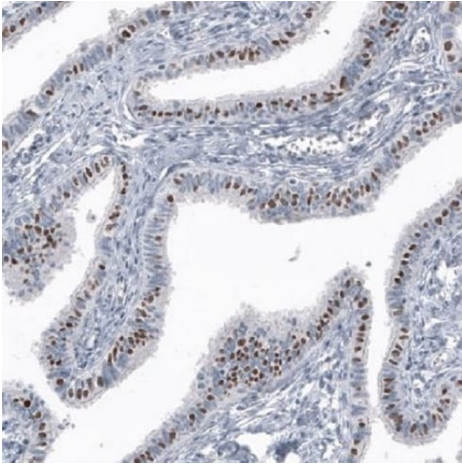
**Involvement in disease** Genetic variations in FOXJ1 may be associated with susceptibility to allergic rhinitis (ALRH) [MIM:607154]. Allergic rhinitis is a common disease of complex inheritance and is characterized by mucosal inflammation caused by allergen exposure.

**Sequence similarities** Contains 1 fork-head DNA-binding domain.

**Developmental stage** Expressed in developing lung, kidney and central nervous system.

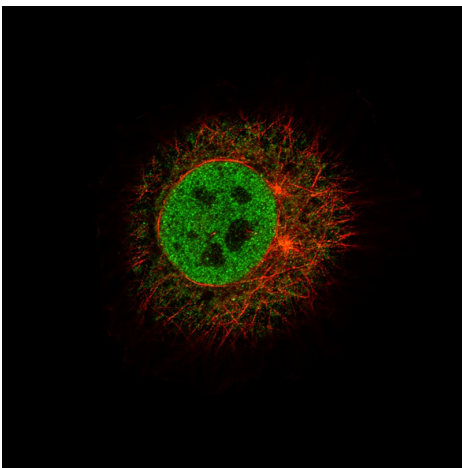
**Cellular localization** Nucleus.

## Images



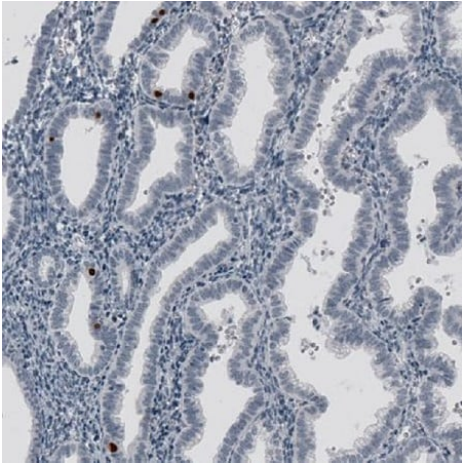
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FoxJ1 antibody [CL3989] (ab220028)

Immunohistochemical analysis of paraffin-embedded human fallopian tube tissue labeling FoxJ1 with ab220028 at 1/1000 dilution.



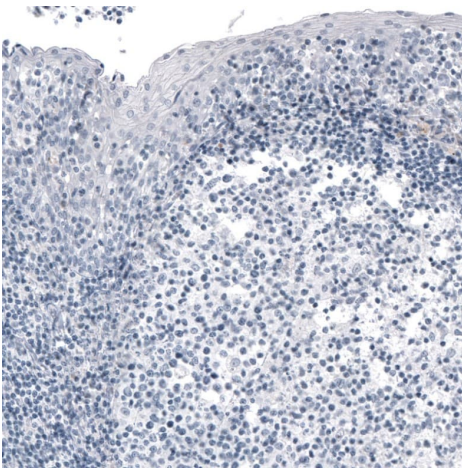
Immunocytochemistry - Anti-FoxJ1 antibody [CL3989] (ab220028)

Immunocytochemistry/ Immunofluorescence analysis of BEWO cells labeling FoxJ1 with ab220028 at 2-10  $\mu\text{g}/\text{mL}$ . Cells were fixed with PFA and permeabilised with Triton X-100. The data is showing specific staining in the nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



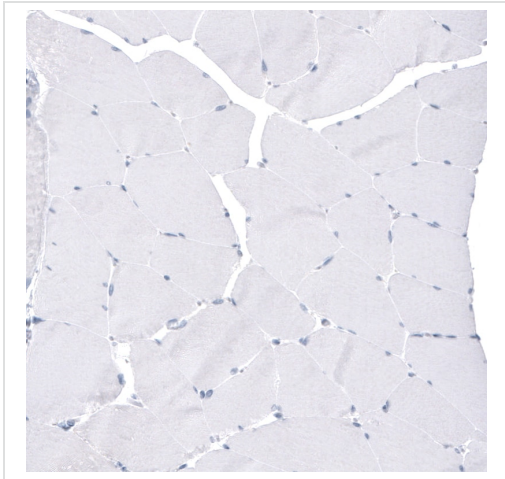
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FoxJ1 antibody [CL3989] (ab220028)

Immunohistochemical analysis of paraffin-embedded human endometrium tissue labeling FoxJ1 with ab220028 at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FoxJ1 antibody [CL3989] (ab220028)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling FoxJ1 with ab220028 at 1/1000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle tissue labelling FoxJ1 with ab220028 at 1/1000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FoxJ1 antibody [CL3989] (ab220028)

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

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