


Product datasheet

Anti-RFX4 antibody ab188020

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Overview

Product name	Anti-RFX4 antibody
Description	Rabbit polyclonal to RFX4
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human RFX4 aa 500-650. Database link: Q33E94 Run BLAST with Run BLAST with
Positive control	IHC-P: Human testis and cerebral cortex tissue; ICC: AF22 whole cells.
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. 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: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab188020 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		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100

Target

Function

May activate transcription by interacting directly with the X-box.

Tissue specificity

Isoform 4 is testis-specific. Isoform 1 is expressed in brain and gliomas. Isoform 2 and isoform 3 are testis-specific (at protein level). Isoform 1 is expressed in brain (at protein level). Isoform 3 is expressed at a higher level in adult testes and ejaculated spermatozoa than in fetal testes.

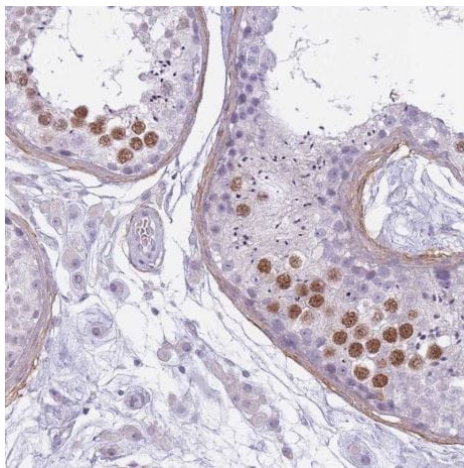
Sequence similarities

Belongs to the RFX family.
Contains 1 RFX-type winged-helix DNA-binding domain.

Cellular localization

Nucleus.

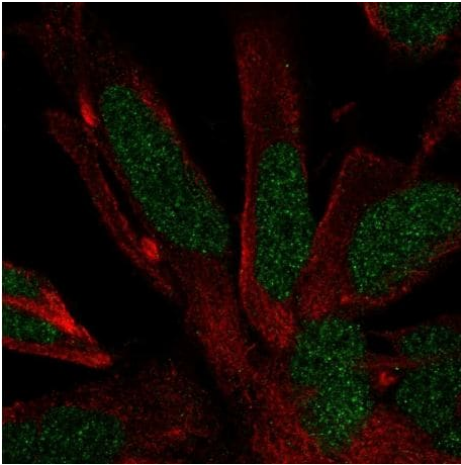
Images



Immunohistochemical analysis of human testis tissue labeling RFX4 in the nucleus of cells in seminiferous ducts with ab188020 at a 1/50 dilution.

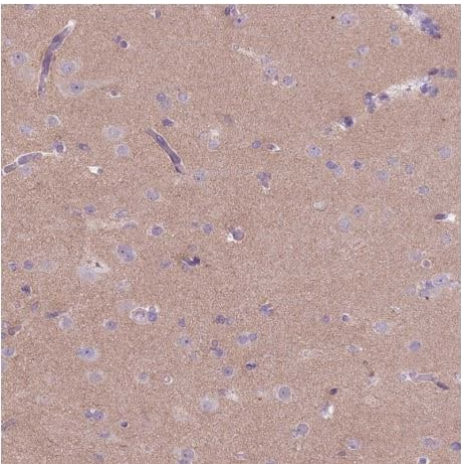
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFX4 antibody (ab188020)



Immunocytochemistry/ Immunofluorescence - Anti-RFX4 antibody (ab188020)

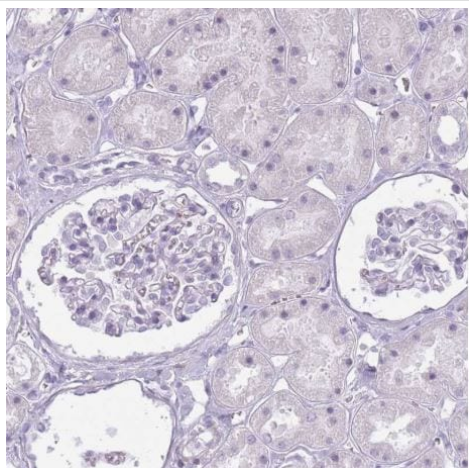
Immunocytochemical analysis of AF22 (Human iPS derived Neuroepithelia stem (NES) cell line) whole cells labeling RFX4 in the nucleus with ab188020 at 2 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFX4 antibody (ab188020)

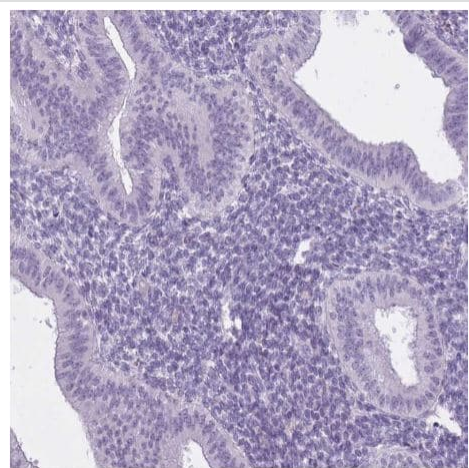
Immunohistochemical analysis of human cerebral cortex tissue labeling RFX4 in the cytoplasm of neuropil with ab188020 at a 1/50 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFX4 antibody (ab188020)

Immunohistochemical analysis of human kidney tissue labeling RFX4 with ab188020 at a 1/50 dilution. No positivity as expected. Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFX4 antibody (ab188020)

Immunohistochemical analysis of human endometrium tissue labeling RFX4 with ab188020 at a 1/50 dilution. No positivity as expected. Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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