


Anti-FOXP1 antibody - C-terminal ab227788

2 Images

Overview

Product name	Anti-FOXP1 antibody - C-terminal
Description	Rabbit polyclonal to FOXP1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Chicken, Cow, Dog 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human tonsil tissue. ICC/IF: MCF7 cells.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com. 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

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: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab227788 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		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Target

Function

Transcriptional repressor. It plays an important role in the specification and differentiation of lung epithelium. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Essential transcriptional regulator of B cell development.

Involvement in disease

Note=A chromosomal aberration involving FOXP1 is found in acute lymphoblastic leukemia. Translocation t(9;3)(p13;p14.1) with PAX5.

Defects in FOXP1 are the cause of mental retardation with language impairment and autistic features (MRLIAF) [MIM:613670]. It is a developmental disorder characterized by mild to moderate mental retardation, language impairment, and autistic features. Patients show global delay, delayed walking, severely delayed speech development, and behavioral abnormalities, including irritability, hyperactivity, aggression, and stereotypical rigid behaviors.

Sequence similarities

Contains 1 C2H2-type zinc finger.

Contains 1 fork-head DNA-binding domain.

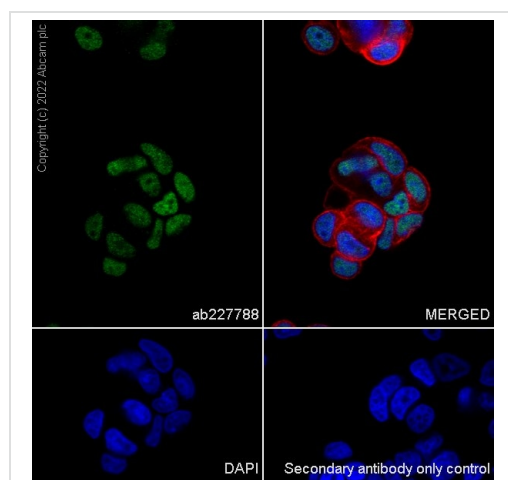
Domain

The leucine-zipper is required for dimerization and transcriptional repression.

Cellular localization

Nucleus.

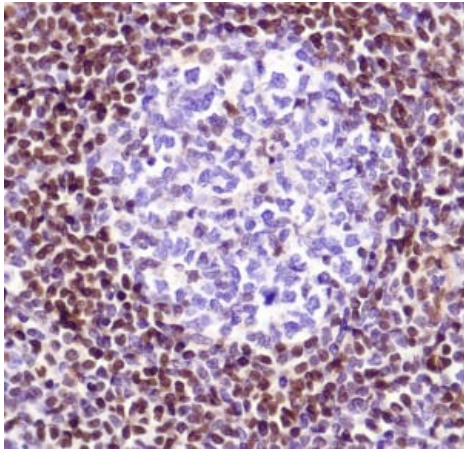
Images



Immunocytochemistry/ Immunofluorescence - Anti-FOXP1 antibody - C-terminal (ab227788)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized MCF7 (human breast adenocarcinoma epithelial cell) cells labeling FOXP1 with ab227788 at 1/100 dilution (5 µg/ml), followed by **ab150081** AlexaFluor®488 preadsorbed Goat anti-Rabbit secondary antibody at 1/1000 dilution (2 µg/ml). **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5 µg/ml). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is **ab150081** AlexaFluor®488 preadsorbed Goat anti-Rabbit secondary antibody at 1/1000 dilution (2 µg/ml).

Confocal image showing nuclear staining in MCF7 cell lines. The image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Formalin-fixed, paraffin-embedded human tonsil tissue stained for FOXP1 with ab227788 (1/100 dilution) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP1 antibody - C-terminal (ab227788)

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

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