


Product datasheet

HRP Anti-FOXP1 antibody [EPR4113] ab196978

Recombinant RabMAb

[2 References](#) [2 Images](#)

Overview

Product name	HRP Anti-FOXP1 antibody [EPR4113]
Description	HRP Rabbit monoclonal [EPR4113] to FOXP1
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat whole cell lysate.
General notes	<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> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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. Avoid freeze / thaw cycle. Store in the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4113

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab196978 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
WB		1/5000. Detects a band of approximately 95 kDa (predicted molecular weight: 75 kDa).

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.

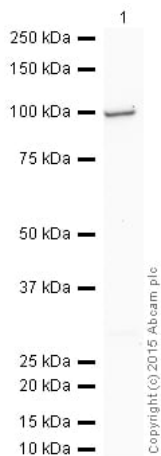
Domain

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

Cellular localization

Nucleus.

Images



Western blot - HRP Anti-FOXP1 antibody
[EPR4113] (ab196978)

HRP Anti-FOXP1 antibody [EPR4113] (ab196978) at 1/5000
dilution + Jurkat (Human T cell lymphoblast-like cell line) Whole Cell
Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 75 kDa

Observed band size: 95 kDa

Exposure time: 12 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab196978 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

HRP Anti-FOXP1 antibody [EPR4113] (ab196978)

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

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