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Datasheet for ABIN3030998
anti-FOXP3 antibody (AA 283-311)

5 Images

Overview

Quantity:	0.4 mL
Target:	FOXP3
Binding Specificity:	AA 283-311
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXP3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 283-311 from the human protein was used as the immunogen for this FOXP3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Primate
Purification:	Antigen affinity purified

Target Details

Target:	FOXP3
Alternative Name:	FOXP3 (FOXP3 Products)
Background:	Forkhead box P3 is a transcriptional regulator which is crucial for the development and

Target Details

inhibitory function of regulatory T-cells (Treg). Plays an essential role in maintaining homeostasis of the immune system by allowing the acquisition of full suppressive function and stability of the Treg lineage, and by directly modulating the expansion and function of conventional T-cells. Can act either as a transcriptional repressor or a transcriptional activator depending on its interactions with other transcription factors, histone acetylases and deacetylases. The suppressive activity of Treg involves the coordinate activation of many genes, including CTLA4 and TNFRSF18 by FOXP3 along with repression of genes encoding cytokines such as interleukin-2 (IL2) and interferon-gamma (IFNG). [UniProt]

UniProt: [Q9BZS1](#)

Pathways: [Chromatin Binding](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the FOXP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, IHC (Paraffin): 1:10-1:50, Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

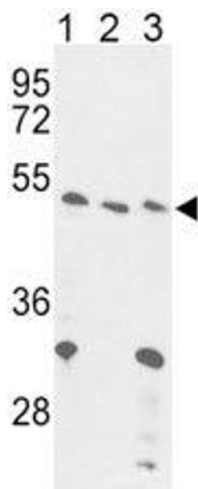
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

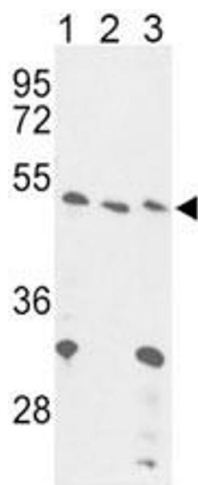
Storage: -20 °C

Storage Comment: Store at 4°C for up to one month. For long term, aliquot the FOXP3 antibody and store frozen at -20°C or colder.



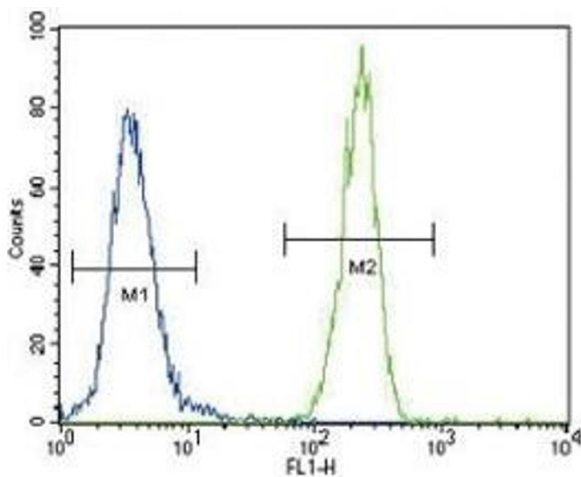
Western Blotting

Image 1. Western blot analysis of FOXP3 antibody and (1) 293, (2) Jurkat and (3) mouse liver lysate.



Western Blotting

Image 2. Western blot analysis of FOXP3 antibody and (1) 293, (2) Jurkat and (3) mouse liver lysate.



Flow Cytometry

Image 3. FOXP3 antibody flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030998.