

Datasheet for ABIN3043158

anti-FOXP3 antibody (Middle Region)[Go to Product page](#)**1** Image**10** Publications

Overview

Quantity:	100 µg
Target:	FOXP3
Binding Specificity:	AA 321-337, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXP3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Forkhead box protein P3(FOXP3) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human FOXP3(321-337aa FPEFLHNMDYFKFHNMR), different from the related mouse sequence by two amino acids.
Sequence:	FPEFLHNMDY FKFHNMR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Forkhead box protein P3(FOXP3) detection. Tested with WB in Human. Gene Name: forkhead box P3

Product Details

Protein Name: Forkhead box protein P3

Purification: Immunogen affinity purified.

Target Details

Target: FOXP3

Alternative Name: FOXP3 ([FOXP3 Products](#))

Background: FOXP3(forkhead box P3) is a protein involved in immune system responses. The human FOXP3 genes contain 11 coding exons. Exon-intron boundaries are identical across the coding regions of the mouse and human genes. By genomic sequence analysis, the FOXP3 gene maps to the p arm of the X chromosome(specifically, Xp11.23). A member of the FOX protein family, FOXP3 appears to function as a master regulator in the development and function of regulatory T cells. While the precise control mechanism has not yet been established, FOX proteins belong to the forkhead/winged-helix family of transcriptional regulators and are presumed to exert control via similar DNA binding interactions during transcription.

Synonyms: AIID antibody|DIETER antibody|Forkhead box P3 antibody|Forkhead box protein P3 antibody|foxp3 antibody|FOXP3_HUMAN antibody|FOXP3delta7 antibody|Immune dysregulation polyendocrinopathy enteropathy X linked antibody|immune dysregulation, polyendocrinopathy, enteropathy, X-linked antibody|Immunodeficiency polyendocrinopathy enteropathy X linked antibody|IPEX antibody|JM2 antibody|MGC141961 antibody|MGC141963 antibody|Immunodeficiency, polyendocrinopathy, enteropathy, X-linked antibody|OTTHUMP00000025832 antibody|OTTHUMP00000025833 antibody|OTTHUMP00000226737 antibody|PIDX antibody|SCURFIN antibody|XPID antibody

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: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months

Publications

Product cited in: Li, Chen, Xie: "Decreased FOXP3+ and GARP+ Tregs to neoadjuvant chemotherapy associated with favorable prognosis in advanced gastric cancer." in: **OncoTargets and therapy**, Vol. 9, pp. 3525-33, (2016) ([PubMed](#)).

Tao, Zhu, Chen, Wang, Pan, Yu, Zhou, Zhu: "IL-35 improves Treg-mediated immune suppression in atherosclerotic mice." in: **Experimental and therapeutic medicine**, Vol. 12, Issue 4, pp. 2469-2476, (2016) ([PubMed](#)).

Gong, Wang, Yuan, Li, Gu, Zhao, Zhang, Jia, Feng, Liu: "Inhibition of Tumor Growth and Immunomodulatory Effects of Flavonoids and Scutebarbatines of Scutellaria barbata D. Don in Lewis-Bearing C57BL/6 Mice." in: **Evidence-based complementary and alternative medicine : eCAM**, Vol. 2015, pp. 630760, (2015) ([PubMed](#)).

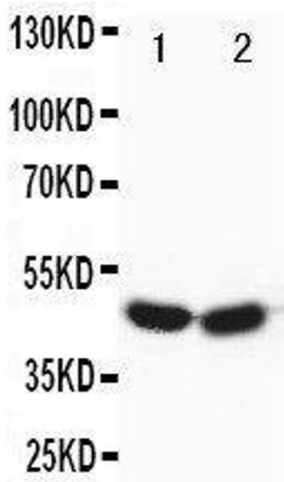
Publications

Li, Ren, Wang, Gu, Hu, Ren, Hong, Wu, Liu, Li: "T2 enhances in situ level of Foxp3+ regulatory cells and modulates inflammatory cytokines in Crohn's disease." in: **International immunopharmacology**, Vol. 18, Issue 2, pp. 244-8, (2014) ([PubMed](#)).

Wang, Dai, Dong, Sun, Song, Guo, Zhu, Wang, Zhang: "The modulation of endoplasmic reticulum stress by chemical chaperone upregulates immune negative cytokine IL-35 in apolipoprotein E-deficient mice." in: **PLoS ONE**, Vol. 9, Issue 1, pp. e87787, (2014) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

Image 1. Anti-FOXP3 antibody, Western blotting Lane 1: HELA Cell Lysate Lane 2: SGC Cell Lysate