Datasheet for ABIN3042405

anti-FOXP3 antibody (AA 101-431)

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Overview

Quantity:	100 µg
Target:	FOXP3
Binding Specificity:	AA 101-431
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXP3 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Forkhead box protein P3(FOXP3) detection. Tested with IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human FOXP3 recombinant protein (Position: H101-P431). Human FOXP3 shares 88% amino acid (aa) sequence identity with mouse FOXP3.
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 IHC-P in Human,Mouse,Rat. Gene Name: forkhead box P3 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|Immunodeficiency polyendocrinopathy enteropathy X linked antibody|IPEX antibody|JM2 antibody|MGC141961 antibody|MGC141963 antibody|OTTHUMP00000025832 antibody|OTTHUMP00000025833 antibody|OTTHUMP00000226737 antibody|PIDX antibody|SCURFIN antibody|XPID antibody
Gene ID:	50943
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:	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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 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.
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.

Publications

Product cited in:

Qian, Feng, Sun, Xiong, Ding, Han, Chen, Chen, Du, Wang: "Overexpression of Salusin-α Inhibits Vascular Intimal Hyperplasia in an Atherosclerotic Rabbit Model." in: **BioMed research international**, Vol. 2018, pp. 8973986, (2019) (PubMed).

Xie, Li, Pi, Wu, Zeng, Zuo, Zha: "[Down-regulation of p38 MAPK and collagen by 1, 25-(OH)2-VD3 in rat models of diabetic nephropathy]." in: **Xi bao yu fen zi mian yi xue za zhi = Chinese journal of cellular and molecular immunology**, Vol. 32, Issue 7, pp. 931-5, (2017) (PubMed).

Li, Lu, Sun, Zuo, Wang, Yan: "Inhibition of endoplasmic reticulum stress signaling pathway: A new mechanism of statins to suppress the development of abdominal aortic aneurysm." in: **PLoS ONE**, Vol. 12, Issue 4, pp. e0174821, (2017) (PubMed).

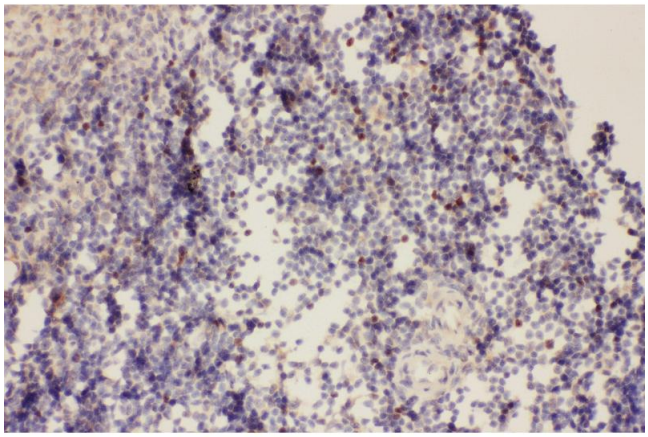
Wu, Chang, Ren, Hu, Li, Liu: "Bindarit reduces the incidence of acute aortic dissection complicated lung injury via modulating NF-κB pathway." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 3, pp. 2613-2618, (2017) (PubMed).

Sun, Zhang, Zhao, Zhen, Huang, Wang, He, Liu, Xu, Yang, Qu, Ma, Zhang, Zhang, Hu: "Attenuation of atherosclerotic lesions in diabetic apolipoprotein E-deficient mice using gene silencing of macrophage migration inhibitory factor." in: **Journal of cellular and molecular medicine**, Vol. 19, Issue 4, pp. 836-49, (2016) (PubMed).

Publications

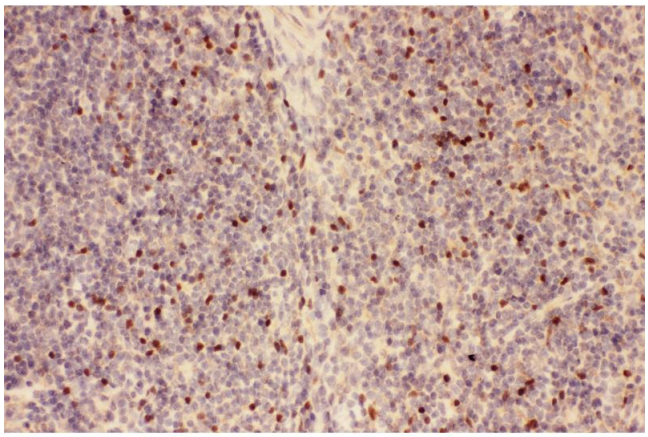
There are more publications referencing this product on: Product page

Images



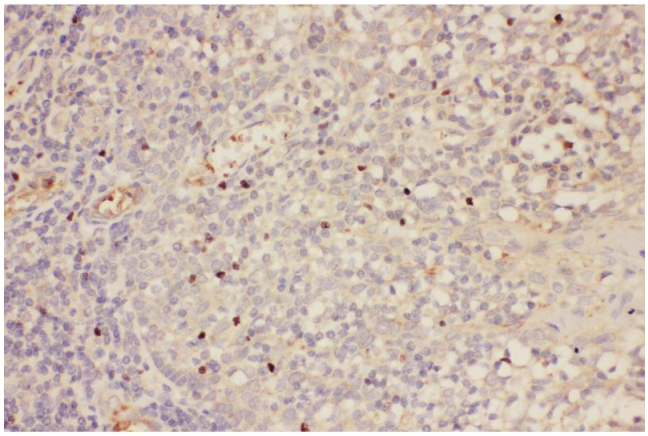
Immunohistochemistry

Image 1. Anti-FOXP3 Picoband antibody, IHC(P):Rat Spleen Tissue



Immunohistochemistry

Image 2. Anti-FOXP3 Picoband antibody, IHC(P): Mouse Spleen Tissue



Immunohistochemistry

Image 3. Anti-FOXP3 Picoband antibody, IHC(P): Human Tonsil Tissue