

Anti-Forkhead box protein P3 FOXP3 Antibody

Catalog Number: A00011

About FOXP3

FOXP3 is a member of the forkhead/winged-helix family of transcriptional regulators. FOXP3 acts as a repressor of transcription and regulates T cell activation, with its overexpression in CD4 T cells leading to an attenuation of activation-induced cytokine production and proliferation. In regulatory T (Treg) cells, FOXP3 is essential for Treg suppressor function and its expression leads to the repression of IL-17 expression. Genetic mutations involving FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome.

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Overview

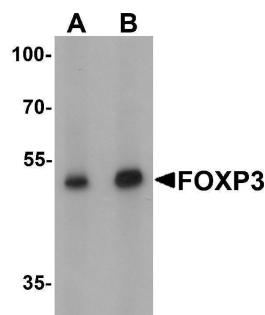
Product Name	Anti-Forkhead box protein P3 FOXP3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Forkhead box protein P3 FOXP3 Antibody (Catalog # A00011). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	FOXP3 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	FOXP3 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q9BZS1

Technical Details

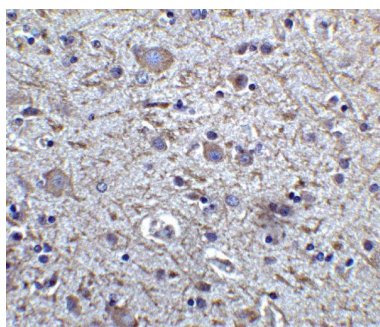
Immunogen	Rabbit polyclonal FOXP3 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human FOXP3. The immunogen is located within the last 50 amino acids of FOXP3.
Predicted Reactive Species	Bovine, Chicken, Pig
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	FOXP3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	FOXP3 antibody can be used for detection of FOXP3 by Western blot at 1 - 2 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

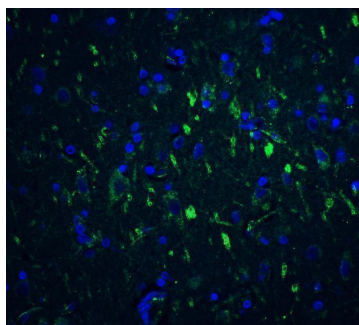
Anti-Forkhead box protein P3 FOXP3 Antibody (A00011) Images



Western blot analysis of FOXP3 in A549 cell lysate with FOXP3 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of FOXP3 in human brain tissue with FOXP3 antibody at 5 ug/mL.



Immunofluorescence of FOXP3 in human brain tissue with FOXP3 antibody at 20 ug/mL. Green: FOXP3 Antibody (A00011) Blue: DAPI staining

1 Publications Citing This Product

1. PubMed ID: 32724324, Wang Y,Zhang L,Li L,Hu H,Pan P,Zhang B,Ning W,Zhao M,Wang S.Electroacupuncture Improves Blood Pressure in SHR by Regulating the Immune Balance between Th17 and Treg.Evid Based Complement Alternat Med.2020 Jul 7;2020:5375981.doi:10.1155/2020/5375981.PMID:

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