

Datasheet for 600-401-BG9**FOXP3 Antibody****Overview**

Description:	Anti-FOXP3 (RABBIT) Antibody - 600-401-BG9
Item No.:	600-401-BG9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	FOXP3 Antibody, JM2, AIID, IPEX, PIDX, XPID, DIETER, JM2, Forkhead box protein P3, Scurfin
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FOXP3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- FOXP3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the C-terminus of human FOXP3.

Purity/Specificity:	Anti-FOXP3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with FOXP3 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9BZS1 • GeneID - 50943 • NCBI - NP_054728

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-FOXP3 Antibody has been tested for use in ELISA, Immunohistochemistry, Immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 47 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

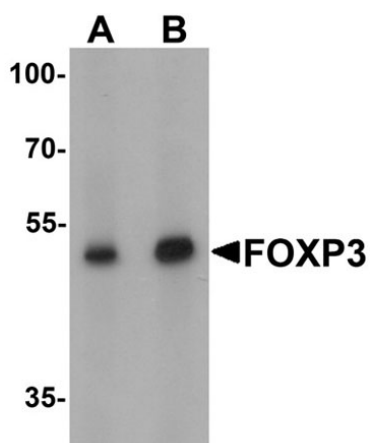
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

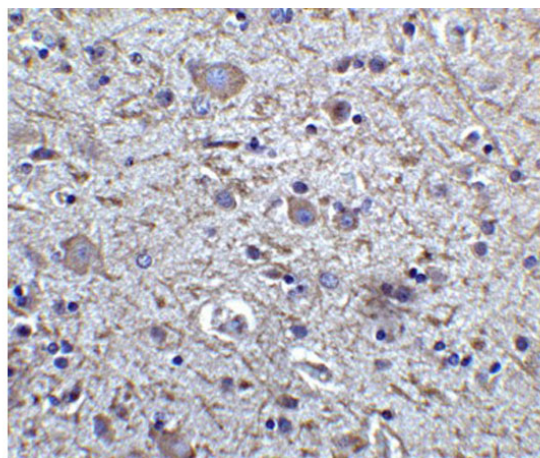


Western Blot

Western blot analysis of FOXP3.

Load: A549 cell lysate.

Primary Antibody: FOXP3 antibody at (A) 1 and (B) 2 μ g/mL.

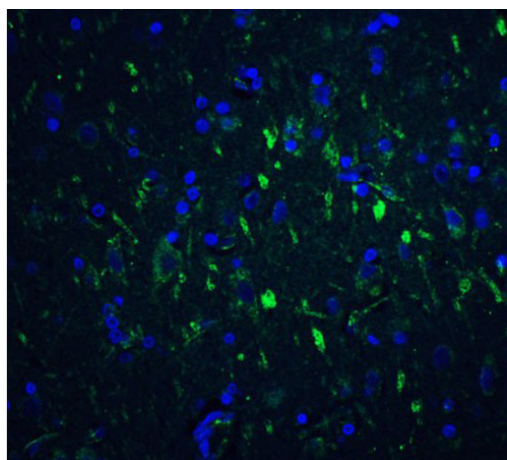


Immunohistochemistry

Immunohistochemistry of FOXP3.

Tissue: human brain tissue.

Primary Antibody: FOXP3 antibody at 5 μ g/mL.



Immunofluorescence Microscopy

Immunofluorescence of FOXP3.

Tissue: human brain tissue.

Primary Antibody: FOXP3 antibody at 20 μ g/mL.

Staining: FOXP3 Antibody (green), DAPI staining (blue).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.