

Product Datasheet

FoxP3 Antibody NB600-246

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB600-246**FoxP3 Antibody****Product Information**

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	47.2 kDa

Product Description

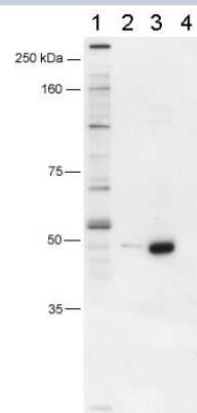
Host	Rabbit
Gene ID	50943
Gene Symbol	FOXP3
Species	Human, Mouse
Immunogen	A synthetic peptide made to the N-terminal region of human FOXP3 (between residues 1-50). [UniProt# Q9BZS1]

Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:5000, Immunohistochemistry, Immunohistochemistry-Paraffin reported in scientific literature, Immunohistochemistry-Frozen 1:150
Application Notes	In Western blot, a band can be seen at ~47.2 kDa representing FOXP3. This antibody only detects transfected samples. It has not been shown to work on endogenous samples via Western blot.

Images

Western Blot: FoxP3 Antibody [NB600-246] - FOXP3 Antibody [NB600-246] - Detection of murine FOXP3 using NB600-246. (1) Human CD4+CD25+ PBL, (2) HEK293T transfected with human Foxp3 cDNA, (3) 293/mouse foxp3, and (4) 293/empty vector



Publications

Hagone S, Bharat P, Gupta A, Nitin G Expression of FOXP3 of Tumor-Infiltrating Lymphocytes in Invasive Breast Cancer: Its Relationship to Histopathological Parameters and Overall Survival I.P. Pavlov Russian Medical Biological Herald 2023-07-16 (IHC-P)

Wilcox RA, Feldman AL, Wada DA et al. B7-H1 (PD-L1, CD274) suppresses host immunity in T-cell lymphoproliferative disorders. Blood :blood-2009-2004-216671. 2009-01-01 [PMID: 19597183] (IHC-P, Human)

Lim, HW et al. Cutting edge: direct suppression of B cells by CD4+ CD25+ regulatory T cells. J Immunol;175(7):4180-3. 2005-10-01 [PMID: 16177055]



Procedures

Immunohistochemistry-Frozen protocol for FoxP3 Antibody (NB600-246)

FoxP3 Antibody: https://www.novusbio.com/products/foxp3-antibody_nb600-246

IHC Protocol for NB600-246

Control Tissues: Thymus from healthy (C57BL6/6) and Influenza infected mice.

-Cut 5 um sections in a cryostat and fix them in cold acetone for 10 mins.

-Dry the slides completely at room temp for 30 mins.

-Permeabilize tissues by immersing them in 0.1% saponin, 3 times (5 mins each time).

-Block unspecific binding to the slides using 5% normal donkey serum, 5% normal rat serum and Fc block (1:500).

Everything has to be dissolved in 0.1% saponin.

-Incubate slides in a wet chamber at RT for 30 mins.

-Dip off the blocking solution from the slides and add streptavidin (0.1mg/ml) for 15 mins at RT.

-Wash one time with 0.1% saponin.

-Add similar volume of biotin (0.1) and incubate 15 min at RT.

-Wash one time with 0.1% saponin.

-Add NB600-246 (1:150) ON at RT.

-Next day: Wash slides with 0.1% saponin

-Add biotin-donkey anti-rabbit secondary (NB120-6801) for 3 hrs at RT.

- Wash slides with 0.1% saponin

-Add fluorescently labeled streptavidin (Molecular probes) in PBS for 1 hr at RT.

-Wash 3x with PBS.

-Mount with prolong gold antifade (Molecular probes)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis.
Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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