

Product Datasheet

FoxP3 Antibody NB600-242

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB600-242

FoxP3 Antibody

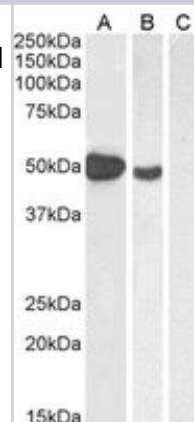
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	50943
Gene Symbol	FOXP3
Species	Human, Rat
Reactivity Notes	Rat reactivity reported from a verified customer review.
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_054728.2 and NP_001107849.1)
Immunogen	Peptide with sequence SQRPSRCSNPTPGP corresponding to C-Terminus according to NP_054728.2, NP_001107849.1.

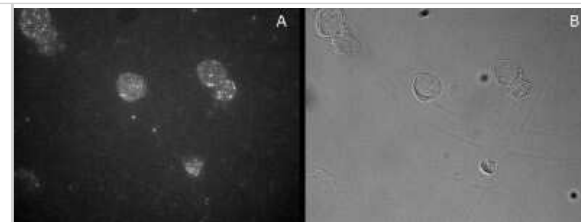
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Peptide ELISA, Control, Immunocytochemistry, Immunofluorescence
Recommended Dilutions	Western Blot 1 - 3 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 6.0 - 8.0 ug/ml, Peptide ELISA 1:8000, Control, Immunofluorescence 10 ug/mL, Immunocytochemistry 2 - 4 ug/mL
Application Notes	Western blot: Approx 48-50kDa band observed in Human Muscle lysates and in lysates of cell line MOLT4 (calculated MW of 47.2kDa according to NP_054728.2). Recommended concentration: 1-3ug/ml. Primary incubation 1 hour at room temperature. Negative Control: Human Pancreas lysate

Images

Western Blot: FoxP3 Antibody [NB600-242] - (1 ug/mL) staining of Human Muscle (A), (2 ug/mL) MOLT4 (B) and (1 ug/mL) negative control Pancreas (C) lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.



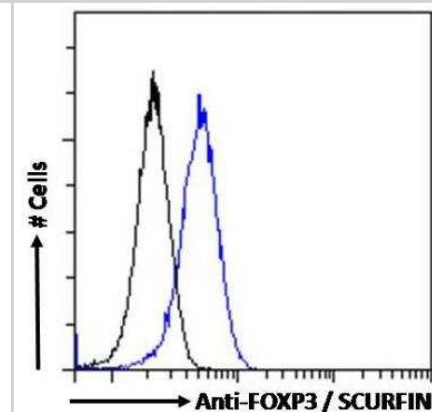
Immunocytochemistry: FoxP3 Antibody [NB600-242] - (Treg) human blood cells gathered by cytopspin and detected by FITC (A) and in phase contrast (B).



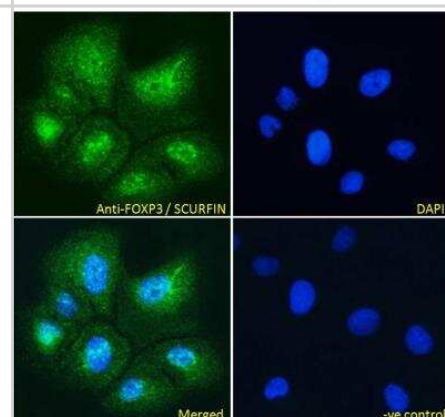
Immunohistochemistry: FoxP3 Antibody [NB600-242] - (8ug/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



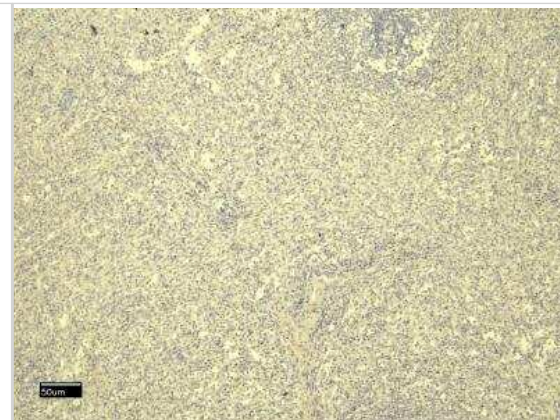
Flow Cytometry: FoxP3 Antibody [NB600-242] - Analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (4 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunofluorescence: FoxP3 Antibody [NB600-242] - Paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (4 ug/mL), showing strong localization to nucleoplasm. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (4 ug/mL).



Control: FoxP3 Antibody [NB600-242] - Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



Publications

- Gupta, G K, Agrawal, T Et al. Immunohistochemical expression of vitamin D receptor and forkhead box P3 in classic Hodgkin lymphoma: correlation with clinical and pathologic findings. BMC Cancer 2020-06-08 [PMID: 32513132] (IF/IHC, Mouse)
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- Chatila TA, Blaeser F, Ho N et al. JM2, encoding a fork head-related protein, is mutated in X-linked autoimmunity-allergic dysregulation syndrome. J Clin Invest 2000-12-01 [PMID: 11120765]
- Shen S, Shin JJ, Strle K et al. Treg cell numbers and function in patients with antibiotic-refractory or antibiotic-responsive Lyme arthritis. Arthritis Rheum 2010-07-01 [PMID: 20506317] (IF/IHC, ICC/IF, Human)
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- Stahl HF et al. miR-155 inhibition sensitizes CD4+ Th cells for TREG mediated suppression. PLoS One;4(9):e7158. 2009-09-24 [PMID: 19777054]



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Products Related to NB600-242

NBL1-10817	FoxP3 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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.

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