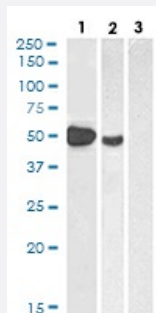


FOXP3 polyclonal antibody

Catalog # PAB6100

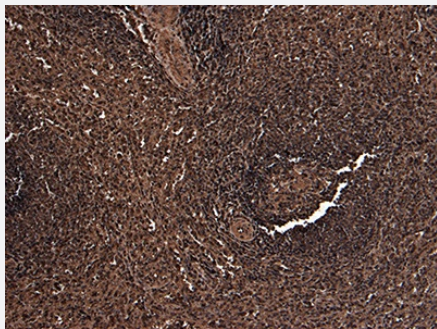
Size 100 ug

Applications



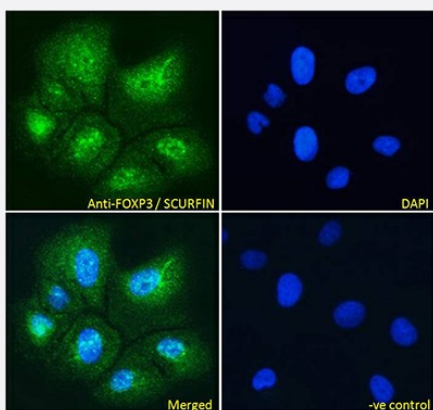
Western Blot (Tissue lysate)

FOXP3 polyclonal antibody (Cat # PAB6100) (1 ug/mL) staining of Human Muscle (1), (2 ug/mL) MOLT4 (2) and (1 ug/mL) negative control Pancreas (3) lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.



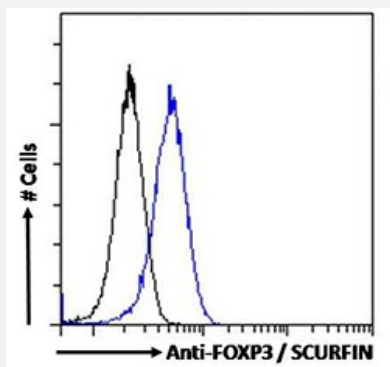
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

FOXP3 polyclonal antibody (Cat # PAB6100) (8 ug/mL) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



Immunofluorescence

FOXP3 polyclonal antibody (Cat # PAB6100) Immunofluorescence analysis of 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).



Flow Cytometry

FOXP3 polyclonal antibody (Cat # PAB6100) Flow cytometric 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.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of FOXP3.

Immunogen A synthetic peptide corresponding to C-terminus of human FOXP3.

Sequence SQRPSRCSNPTPGP

Host Goat

Theoretical MW (kDa) 47.2, 43.4

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Recommend Usage
 ELISA (1:8000)
 Flow Cytometry (10 ug/mL)
 Immunofluorescence (10 ug/mL)
 Immunohistochemistry (6-8 ug/mL)
 Western Blot (1-3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction
 Store at -20°C.
 Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ChIP

- Western Blot (Tissue lysate)

FOXP3 polyclonal antibody (Cat # PAB6100) (1 ug/mL) staining of Human Muscle (1), (2 ug/mL) MOLT4 (2) and (1 ug/mL) negative control Pancreas (3) lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.

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- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

FOXP3 polyclonal antibody (Cat # PAB6100) Flow cytometric 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.

Gene Info — FOXP3

Entrez GeneID [50943](#)

Protein Accession# [NP_054728.2;NP_001107849.1](#)

Gene Name FOXP3

Gene Alias AILD, DIETER, IPEX, JM2, MGC141961, MGC141963, PIDX, XPID

Gene Description forkhead box P3

Omim ID [222100 300292 304790](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

OTTHUMP00000025832|immune dysregulation, polyendocrinopathy, enteropathy, X-linked|immunodeficiency, polyendocrinopathy, enteropathy, X-linked|scurfin

Publication Reference

- [The immune paradox of sarcoidosis and regulatory T cells.](#)

Miyara M, Amoura Z, Parizot C, Badoual C, Dorgham K, Trad S, Kambouchner M, Valeyre D, Chapelon-Abrie C, Debre P, Piette JC, Gorochoff G.

The Journal of Experimental Medicine 2006 Jan; 203(2):359.

- [Differentiation and expansion of T cells with regulatory function from human peripheral lymphocytes by stimulation in the presence of TGF- \$\beta\$.](#)

Rao PE, Petrone AL, Ponath PD.

Journal of Immunology 2005 Feb; 174(3):1446.

Disease

- [Acute Disease](#)
- [Addison Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Autoimmune polyglandular syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
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- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hashimoto Disease](#)
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