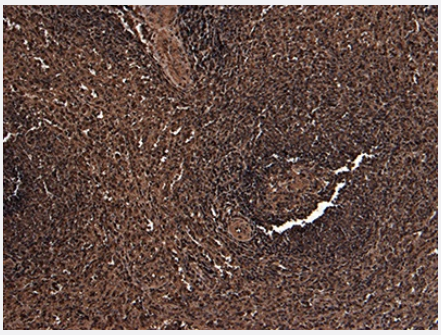
FOXP3 polyclonal antibody

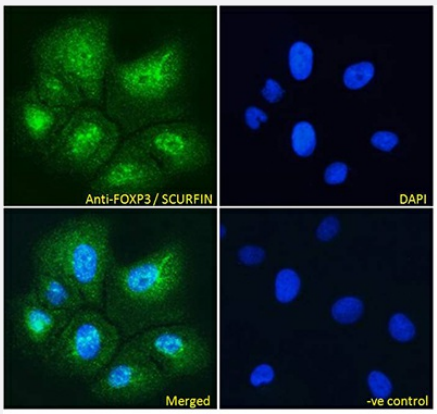
Catalog # PAB6100 Size 100 ug

Applications



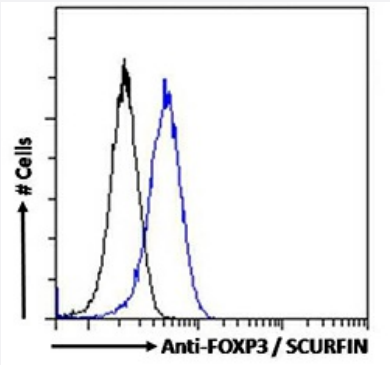
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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.

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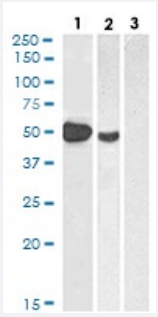

Western Blot (Tissue lysate)

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.

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 shoul d be handled by trained staff only.

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Applications

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

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- Enzyme-linked Immunoabsorbent Assay

- ChIP

- Western Blot (Tissue lysate)

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Gene Info — FOXP3

Entrez GeneID	50943
Protein Accession#	NP_054728.2;NP_001107849.1
Gene Name	FOXP3
Gene Alias	AIID, DIETER, IPEX, JM2, MGC141961, MGC141963, PIDX, XPID
Gene Description	forkhead box P3
Omim ID	222100 300292 304790
Gene Ontology	Hyperlink

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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-Abric C, Debre P, Piette JC, Gorochov 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
- Celiac Disease

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- Diabetes Mellitus
- Egg Hypersensitivity
- Genetic Predisposition to Disease
- Graves Disease
- Hashimoto Disease
- Hemophilia A
- Hypersensitivity
- Infant
- Leukemia
- Lupus Erythematosus
- Psoriasis
- Respiratory Syncytial Virus Infections
- Rhinitis
- Sarcoidosis
- Thyroiditis

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