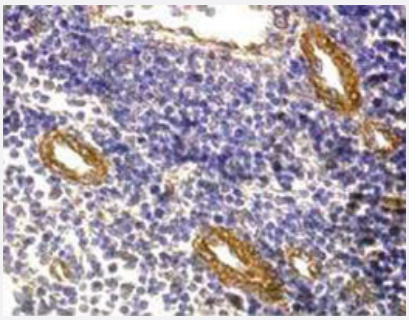
FOXP3 polyclonal antibody

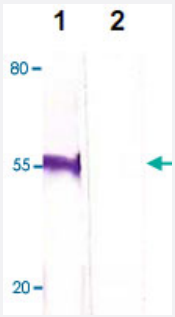
Catalog # PAB12685 Size 100 ug

Applications



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis in human tonsil with FOXP3 polyclonal antibody (Cat # PAB12685) at 5 ug/mL.



Western Blot (Cell lysate)

The HeLa cell lysate was immuno-blotted by FOXP3 polyclonal antibody (Cat # PAB12685) at 1 : 500 (Lane 1). Lane 2 was pre-incubated with immunizing peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FOXP3.
Immunogen	A synthetic peptide corresponding to C-terminus of human FOXP3.
Host	Rabbit
Theoretical MW (kDa)	52
Reactivity	Human, Mouse, Rat
Specificity	This antibody only recognizes ~52 KDa of human FOXP3.
Form	Liquid

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Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (antibody stabilizer)
Storage Instruction	Store at 4°C. For long term storage store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis in human tonsil with FOXP3 polyclonal antibody (Cat # PAB12685) at 5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

- Western Blot (Cell lysate)

  The HeLa cell lysate was immuno-blotted by FOXP3 polyclonal antibody (Cat # PAB12685) at 1 : 500 (Lane 1). Lane 2 was pre-incubated with immunizing peptide.

Gene Info — FOXP3

Entrez GeneID	50943
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

- Screening of organoids derived from patients with breast cancer implicates the repressor NCOR2 in cytotoxic stress response and antitumor immunity.

  Kelvin K Tsai, Shenq-Shyang Huang, Jason J Northey, Wen-Ying Liao, Chung-Chi Hsu, Li-Hsin Cheng, Michael E Werner, Chih-Pin Chuu, Chandrima Chatterjee, Jonathon N Lakins, Valerie M Weaver

  Nat Cancer 2022 6; 3(6):734-752.

- High CCR4 expression in the tumor microenvironment is a poor prognostic indicator in lung adenocarcinoma.

  Takahiro Karasaki, Guangliang Qiang, Masaki Anraku, Yanbin Sun, Aya Shinozaki-Ushiku, Eiichi Sato, Kosuke Kashiwabara, Kazuhiro Nagayama, Jun-Ichi Nitadori, Masaaki Sato, Tomohiro Murakawa, Kazuhiro Kakimi, Masashi Fukayama, Jun Nakajima

  J Thorac Dis 2018 Aug; 10(8):4741-4750.

  Application: IHC

- Analysis of CD8+ Treg cells in patients with ovarian cancer: a possible mechanism for immune impairment.

  Shuping Zhang, Xing Ke, Suyun Zeng, Meng Wu, Jianfang Lou, Lei Wu, Peijun Huang, Lei Huang, Fang Wang, Shiyang Pan

  Cell Mol Immunol 2015 Sep; 12(5):580-91.

  Application: IHC

- Cooperative regulation in development by SMRT and FOXP1.

  Jepsen K, Gleiberman AS, Shi C, Simon DI, Rosenfeld MG.

  Genes & Development 2008 Mar; 22(6):740.

  Application: ChIP, Human, Mouse heart, THP-1 cells

Disease

- Acute Disease
- Addison Disease

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- Arthritis
- Asthma
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Celiac Disease
- 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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