

FOXP3 Polyclonal Antibody | anti-FOXP3 antibody

Anti-FOXP3 Antibody

CATALOG # AAA11651	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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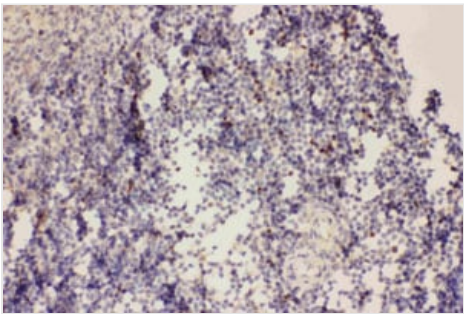
PRODUCT SYNONYMS

FOXP3; Polyclonal Antibody; Anti-FOXP3 Antibody; Forkhead box protein P3; AIID; DIETER; Forkhead box P3; foxp3; FOXP3_HUMAN; FOXP3delta7; Immune dysregulation polyendocrinopathy enteropathy X linked; Immunodeficiency polyendocrinopathy enteropathy X linked; IPEX; JM2; MGC141961; MGC141963; OTTHUMP00000025832; OTTHUMP00000025833; OTTHUMP00000226737; PIDX; SCURFIN; XPID; forkhead box P3; anti-FOXP3 antibody

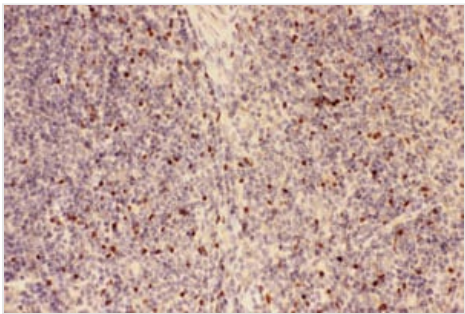
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Applicable Applications for anti-FOXP3 antibody	IHC (Immunohistochemistry)
Application Notes	Immunohistochemistry (IHC) Paraffin - Concentration: 0.5-1ug/ml Tested Species: Hu, Ms, Rat Antigen Retrieval: By Heat Tested Species: In house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Other applications not tested. Optimal dilutions should be determined by end users.
Immunogen	E Coli-derived human FOXP3 recombinant protein (Position: H101-P431). Human FOXP3 shares 88% amino acid (aa) sequence identity with mouse FOXP3.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection System	We recommend HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (please inquire) for IHC(P).
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

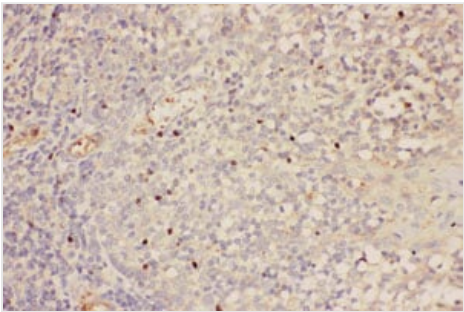
IMAGES



IHC (Immunohistochemistry)
IHC(P):Rat Spleen Tissue



IHC (Immunohistochemistry)
IHC(P): Mouse Spleen Tissue



IHC (Immunohistochemistry)
IHC(P): Human Tonsil Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-FOXP3 antibody	FOXP3(forkhead box P3) is a protein involved in immune system responses. The human FOXP3 genes contain 11 coding exons. Exon-intron boundaries are identical across the coding regions of the mouse and human genes. By genomic sequence analysis, the FOXP3 gene maps to the p arm of the X chromosome(specifically, Xp11.23). A member of the FOX protein family, FOXP3 appears to function as a master regulator in the development and function of regulatory T cells. While the precise control mechanism has not yet been established, FOX proteins belong to the forkhead/winged-helix family of transcriptional regulators and are presumed to exert control via similar DNA binding interactions during transcription.
References	1. Allan, S. E., Passerini, L., Bacchetta, R., Crellin, N., Dai, M., Orban, P. C., Ziegler, S. F., Roncarolo, M. G., Levings, M. K.The role of 2 FOXP3 isoforms in the generation of human CD4+ Tregs.J. Clin. Invest. 115: 3276-3284, 2005. 2. Bennett, C. L., Christie, J., Ramsdell, F., Brunkow, M. E., Ferguson, P. J., Whitesell, L., Kelly, T. E., Saulsbury, F. T., Chance, P. F., Ochs, H. D.The immune dysregulation, polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) is caused by mutations of FOXP3.Nature Genet. 27: 20-21, 2001. 3. Hong, J., Li, N., Zhang, X., Zheng, B., Zhang, J. Z.Induction of CD4+CD25+ regulatory T cells by copolymer-I through activation of transcription factor Foxp3.Proc. Nat. Acad. Sci. 102: 6449-6454, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466190
NCBI GeneID	50943
NCBI Accession #	NP_001107849.1
NCBI GenBank Nucleotide #	NM_001114377.1
UniProt Accession #	Q9BZS1; O60827; Q14DD8; Q4ZH51; A5HJT1; B7ZLG0; B9UN80
NCBI Official Full Name	forkhead box protein P3 isoform b
NCBI Official Synonym Full Names	forkhead box P3
NCBI Official Symbol	FOXP3

NCBI Official Synonym Symbols	JM2; AIID; IPEX; PIDX; XPID; DIETER
NCBI Protein Information	forkhead box protein P3
UniProt Protein Name	Forkhead box protein P3
UniProt Gene Name	FOXP3
UniProt Synonym Gene Names	IPEX
UniProt Entry Name	FOXP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxp3-antibody-immunohistochemistry-elisa/11651>