

39-2001: Anti-FOXP3 Polyclonal Antibody

Clonality :	Polyclonal
Application :	IHC-P
Reactivity :	Human, Mouse, Rat
Gene :	FOXP3
Gene ID :	50943
Uniprot ID :	Q9BZS1
Format :	Lyophilized
Alternative Name :	Forkhead box protein P3; Scurfin; Forkhead box protein P3, C-terminally processed; Forkhead box protein P3 41 kDa form; FOXP3; IPEX; JM2
Isotype :	Rabbit IgG
Immunogen Information :	E.coli-derived Human FOXP3 recombinant protein (Position: H101-P431). Human FOXP3 shares 88% amino acid (aa) sequence identity with Mouse FOXP3.

Description

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.

Product Info

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Storage condition :	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

Immunohistochemistry(Paraffin-embedded Section) : 0.5-1µg/ml

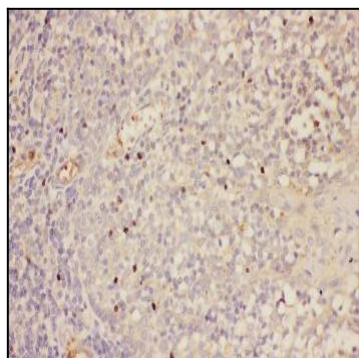


Figure 1: Anti-FOXP3 antibody(39-2001). IHC(P): Human Tonsil Tissue.

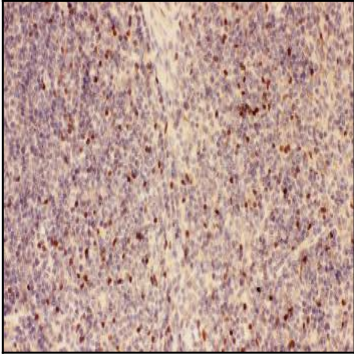


Figure 2: Anti-FOXP3 antibody(39-2001). IHC(P): Mouse Spleen Tissue.

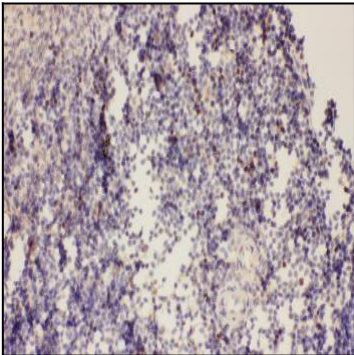


Figure 3: Anti-FOXP3 antibody(39-2001). IHC(P):Rat Spleen Tissue.