

## 39-2001: Anti-FOXP3 Polyclonal Antibody

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Polyclonal   |
| <b>Application :</b>           | IHC-P  |
| <b>Reactivity :</b>            | Human, Mouse, Rat  |
| <b>Gene :</b>                  | FOXP3  |
| <b>Gene ID :</b>               | 50943  |
| <b>Uniprot ID :</b>            | Q9BZS1   |
| <b>Format :</b>                | Lyophilized  |
| <b>Alternative Name :</b>      | Forkhead box protein P3; Scurfin; Forkhead box protein P3, C-terminally processed; Forkhead box protein P3 41 kDa form; FOXP3; IPEX; JM2         |
| <b>Isotype :</b>               | Rabbit IgG   |
| <b>Immunogen Information :</b> | 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

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 100 µg/vial  |
| <b>Purification :</b>      | Immunogen affinity purified.   |
| <b>Content :</b>           | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |
| <b>Storage condition :</b> | 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

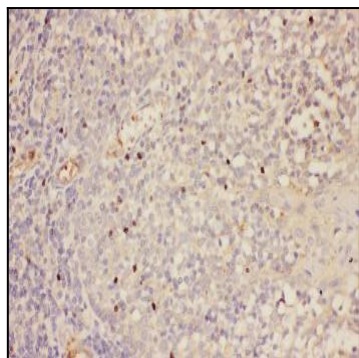


Figure 1: Anti-FOXP3 antibody(39-2001). IHC(P): Human Tonsil Tissue.

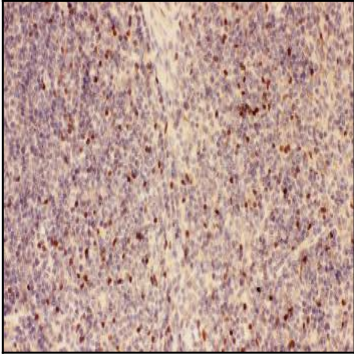


Figure 2: Anti-FOXP3 antibody(39-2001). IHC(P): Mouse Spleen Tissue.

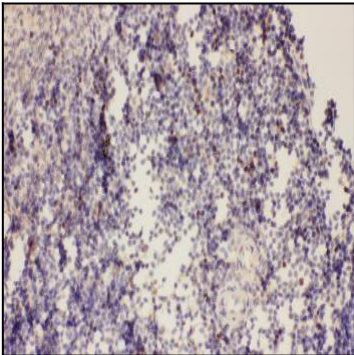


Figure 3: Anti-FOXP3 antibody(39-2001). IHC(P):Rat Spleen Tissue.