



Rabbit anti FOXP3 Polyclonal Antibody

Alternative Name(s): Forkhead box P3

Order Information

- **Description:** FOXP3
- **Catalogue:** 602-480
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Rt, Ms

ANTIGEN PREPARATION

A synthetic peptide corresponding to the C-terminus of human FOXP3 protein. This sequence is identical within human, mouse, rat origins.

BACKGROUND

Forkhead/winged-helix box (Fox) genes are the transcriptional regulators and highly conserved across mammals. It contains a FOX DNA-binding domain and large polyglutamine tract. The FOXP3s are involved in organogenesis and cell differentiation. FOXP3 is essential for normal immune homeostasis. FOXP3 is stably and constitutively expressed at a high level in CD25 + CD4 positive regulatory T cells, at low level in CD4 positive/CD25 negative cells, and is absent in CD4 negative/CD8 positive T cells. FOXP3 may be a master regulatory gene and a more specific marker of regulatory T cells than other T cells.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~52 kDa of FOXP3 protein. It reacts to human, mouse and rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

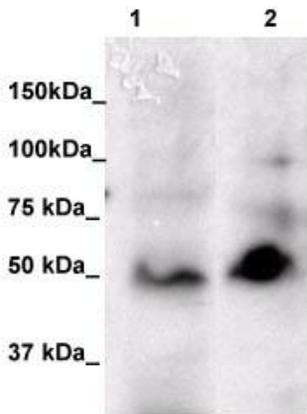
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 55.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

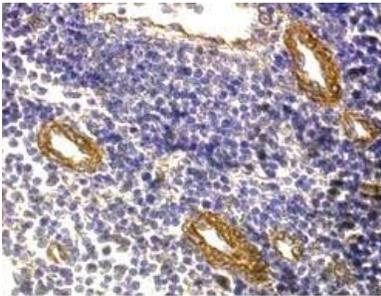
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DATA ATTACHMENTS



WB: RbxFOXP3 (1 ug/ml)
Staining of Mouse Stomach
(lane 1) and HeLa (lane 2)
Lysate at RT, 1hr.

Western Blot: The whole lysate derived from Mouse stomach (lane1), HeLa (lane 2) (20 ug/lane) immunoblotted by Rabbit anti – FOXP3 (Cat#) at 1:500. Observed a major immunoreactive band at molecular weight ~52 kDa.



IHC: RbxFOXP3 (5 ug/ml) Staining of
Formalin-Fixed Paraffin-Embedded
Human Tonsil.

Immunohistochemistry: Human Tonsil carcinoma (FFPE) stained with Rabbit anti-FOXP3 (Cat# 602-480) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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