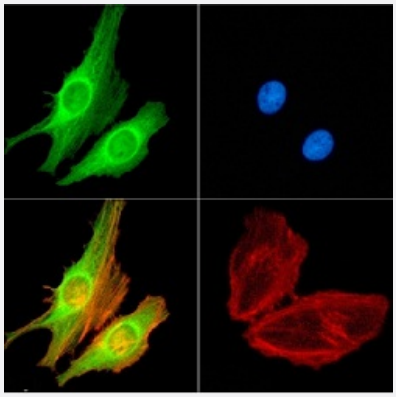
RecomAb™

# FOXP4 recombinant monoclonal antibody, clone RAB-S40

Catalog # RAB03475 Size 200 ug

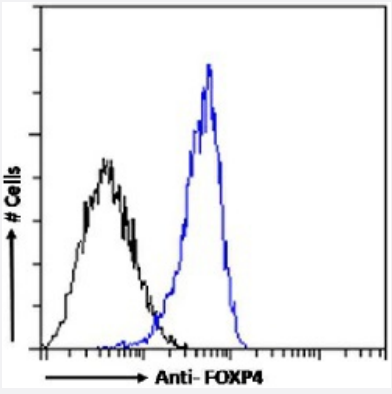
## Applications

### Immunofluorescence



Immunofluorescent staining of Hela cells with FOXP4 recombinant monoclonal antibody, clone RAB-S40 (Cat # RAB03475).
Immunofluorescence analysis of paraformaldehyde Hela cells fixed on Shi-fix™ coverslips stained with the chimeric r version of RAB03475 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.
(A) RAB03475
(B) DAPI
(C) Merged channels
(D) Isotype control

### Flow Cytometry




Flow cytometric analysis of HepG2 cells with FOXP4 recombinant monoclonal antibody, clone RAB-S40 (Cat # RAB03475).
The HepG2 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (isotype control-black line) or the r1 version of RAB03475 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

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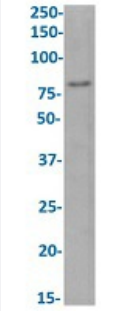


## Western Blot

Western blot analysis of K562 cells with FOXP4 recombinant monoclonal antibody, clone RAB-S40 (Cat # RAB03475).
Western Blot analysis the K562 cells lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric r version of RAB03475 at 0.01 ug/mL before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human FOXP4. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against FOXP4 protein under non-denaturing conditions. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Flow Cytometry<br>Immunofluorescence<br>Western Blot<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS with 0.02% Proclin 300 |
| **Storage Instruction** | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

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- Immunofluorescence

Immunofluorescent staining of Hela cells with FOXP4 recombinant monoclonal antibody, clone RAB-S40 (Cat # RAB03475). Immunofluorescence analysis of paraformaldehyde Hela cells fixed on Shi-fix™ coverslips stained with the chimeric r version of RAB03475 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.
(A) RAB03475
(B) DAPI
(C) Merged channels
(D) Isotype control

- Flow Cytometry

Flow cytometric analysis of HepG2 cells with FOXP4 recombinant monoclonal antibody, clone RAB-S40 (Cat # RAB03475). The HepG2 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (isotype control-black line) or the r1 version of RAB03475 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

Western blot analysis of K562 cells with FOXP4 recombinant monoclonal antibody, clone RAB-S40 (Cat # RAB03475). Western Blot analysis the K562 cells lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric r version of RAB03475 at 0.01 ug/mL before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

## Gene Info — FOXP4

| | |
|---|---|
| **Entrez GeneID** | 116113 |
| **Gene Name** | FOXP4 |
| **Gene Alias** | FLJ40908, FLJ44184, hFKHLA |
| **Gene Description** | forkhead box P4 |
| **Omim ID** | 608924 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gen e transcription during both development and adulthood. Many members of the forkhead box gene family, including members of subfamily P, have roles in mammalian oncogenesis. This gene may play a role in the development of tumors of the kidney and larynx. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms. [provided by RefSeq |

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| **Other Designations** | OTTHUMP00000016374\|OTTHUMP00000039784\|OTTHUMP00000043412\|OTTHUMP00000043536\|fork head-related protein like A\|winged-helix repressor FOXP4 |

## Disease

- Carcinoma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Prostatic Neoplasms

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