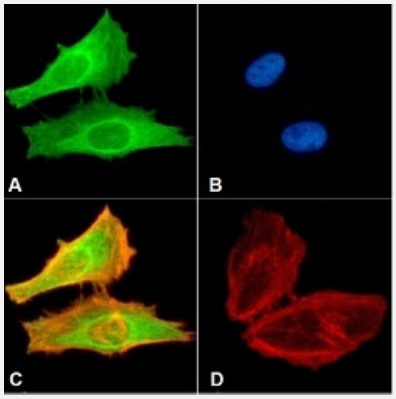
RecomAb™

FOXP2 recombinant monoclonal antibody, clone RAB-S249

Catalog # RAB03473 Size 200 ug

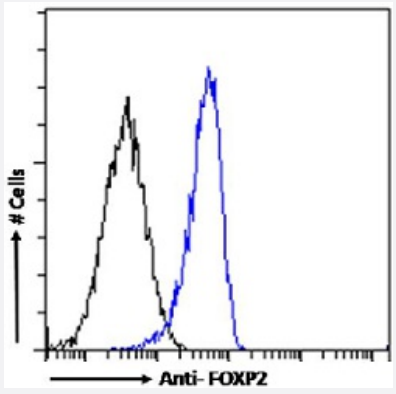
Applications

Immunofluorescence



Immunofluorescent staining of Hela cells with FOXP2 recombinant monoclonal antibody, clone RAS-S249 (Cat # RAB03473).
Immunofluorescence analysis of paraformaldehyde fixed Hela cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03473 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 stained with an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.
(A) RAB03473
(B) DAPI
(C) Merged channels
(D) Isotype control

Flow Cytometry



Flow cytometric analysis of HepG2 cells with FOXP2 recombinant monoclonal antibody, clone RAB-S249 (Cat # RAB03473).
HepG2 cells fixed using 2% PFA and stained with anti-unknown specificity antibody (isotype control-black line) or the r1 version of RAB03473 (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.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FOXP2.
Antibody Species	Rabbit

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Immunogen	Original antibody is raised against FOXP2 protein under non-denaturing conditions.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence 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. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of Hela cells with FOXP2 recombinant monoclonal antibody, clone RAS-S249 (Cat # RAB03473). Immunofluorescence analysis of paraformaldehyde fixed Hela cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03473 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 stained with an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.
  (A) RAB03473
  (B) DAPI
  (C) Merged channels
  (D) Isotype control

- Flow Cytometry

  Flow cytometric analysis of HepG2 cells with FOXP2 recombinant monoclonal antibody, clone RAB-S249 (Cat # RAB03473). HepG2 cells fixed using 2% PFA and stained with anti-unknown specificity antibody (isotype control-black line) or the r1 version of RAB03473 (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

Gene Info — FOXP2

Entrez GeneID	93986

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Gene Name	FOXP2
Gene Alias	CAGH44, DKFZp686H1726, SPCH1, TNRC10
Gene Description	forkhead box P2
Omim ID	602081 605317
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an evolutionarily conserved transcription factor expressed in fetal and adult br ain. This transcription factor is a member of the forkhead/winged-helix (FOX) family of transcriptio n factors, and contains a FOX DNA-binding domain and a large polyglutamine tract. Members of t he FOX family of transcription factors are regulators of embryogenesis. The product of this gene i s thought to be required for proper development of speech and language regions of the brain duri ng embryogenesis. Although a point mutation in this gene has been associated with the KE pedig ree segregating developmental verbal dyspraxia, no association between mutations in this gene and another speech disorder, autism, has been found. Multiple alternative transcripts encoding dif ferent isoforms have been identified. [provided by RefSeq
Other Designations	CAG repeat protein 44|OTTHUMP00000067772|forkhead/winged-helix transcription factor|speec h and language disorder 1|trinucleotide repeat containing 10

Disease

- Articulation Disorders
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Cardiovascular Diseases
- Celiac Disease
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hallucinations
- Language Development Disorders

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- Language Disorders
- Mental Disorders
- NARP
- Obesity
- Psychiatric Status Rating Scales
- Schizophrenia

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