

Rabbit anti-Human FOXP2 Monoclonal Antibody | anti-FOXP2 antibody

Anti-FOXP2 [RAB-S249]

CATALOG # AAA72225	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunoprecipitation, ELISA
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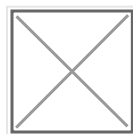
PRODUCT SYNONYMS

FOXP2; Monoclonal Antibody; Anti-FOXP2 [RAB-S249]; CAG repeat protein 44; Forkhead box protein P2; Trinucleotide repeat-containing gene 10 protein; anti-FOXP2-RAB-S249; S0014_B01_HR7934B.006_A10; anti-FOXP2 antibody

PRODUCT SPECIFICATIONS

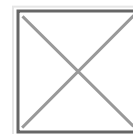
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	RAB-S249
Specificity	This antibody recognizes FOXP2 (Forkhead box protein P2). It binds to a folded domain, amino acids 306-411. FOXP2 is a transcriptional repressor that plays a role in the specification and differentiation of lung epithelium.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-FOXP2 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), ELISA
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Human Fab format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using the anti-FOXP2 antibody RAB-S249. HepG2 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody or the rabbit IgG1 version of RAB-S249 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)

Immunofluorescence staining of fixed HeLa cells with anti-FOXP2 antibody RAB-S249. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of RAB-S249 () at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). Panels show from left-right, top-bottom, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXP2 antibody	Recombinant monoclonal antibody to FOXP2. Recombinant Platform with variable regions (i.e. specificity) from the phage display antibody RAB-S249. This antibody was obtained by recombinant antibody (rAb) phage display recognizing FOXP2 protein under non-denaturing conditions.
Product Categories/Family for anti-FOXP2 antibody	immunology; cancer; cell biology
References	N/A Note on publication: More information on this antibody can be found on the website of the Recombinant Antibody Network.

NCBI AND UNIPROT INFORMATION

NCBI GI #	289666732
NCBI GeneID	93986
NCBI Accession #	NP_001166237.1
NCBI GenBank Nucleotide #	NM_001172766.2
UniProt Accession #	O15409; Q6ZND1; Q75MJ3; Q8IZE0; Q8N0W2; Q8N6B7; Q8N6B8; Q8NFBQ1; A0AUV6; A4D0U8; A6NNW4; B4DLD9
Molecular Weight	81,840 Da
NCBI Official Full Name	forkhead box protein P2 isoform V
NCBI Official Synonym Full Names	forkhead box P2
NCBI Official Symbol	FOXP2
NCBI Official Synonym Symbols	SPCH1; CAGH44; TNRC10
NCBI Protein Information	forkhead box protein P2; CAG repeat protein 44; forkhead/winged-helix transcription factor; trinucleotide repeat containing 10; trinucleotide repeat-containing gene 10 protein
UniProt Protein Name	Forkhead box protein P2
UniProt Gene Name	FOXP2
UniProt Synonym Gene Names	CAGH44; TNRC10
UniProt Entry Name	FOXP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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