

Rabbit FOXP1 Polyclonal Antibody | anti-FOXP1 antibody

FOXP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326956	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

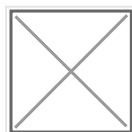
PRODUCT SYNONYMS

FOXP1; Polyclonal Antibody; FOXP1 Antibody; 12CC4; FLJ23741; Fork head related protein like B; Forkhead box P1; Forkhead box protein P1; FOX P1; FOXP 1; foxp1; FOXP1_HUMAN; Glutamine rich factor 1; hFKH1B; HSPC215; MGC12942; MGC88572; MGC99551; QRF 1; QRF1; anti-FOXP1 antibody

PRODUCT SPECIFICATIONS

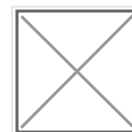
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FOXP1 antibody detects endogenous levels of total FOXP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	114
Applicable Applications for anti-FOXP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FOXP1
Subcellular Location	Nucleus.
Tissue Specificity	Isoform 8 is specifically expressed in embryonic stem cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (94%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326956 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of SKOV3, using FOXP1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326956 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from rat brain, using FOXP1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXP1 antibody

Description: 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 gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding-and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms.

Function: Transcriptional repressor (PubMed:18347093, PubMed:26647308). Can act with CTBP1 to synergistically repress transcription but CTBP1 is not essential (By similarity). Plays an important role in the specification and differentiation of lung epithelium. Acts cooperatively with FOXP4 to regulate lung secretory epithelial cell fate and regeneration by restricting the goblet cell lineage program; the function may involve regulation of AGR2. Essential transcriptional regulator of B-cell development. Involved in regulation of cardiac muscle cell proliferation. Involved in the columnar organization of spinal motor neurons. Promotes the formation of the lateral motor neuron column (LMC) and the preganglionic motor column (PGC) and is required for respective appropriate motor axon projections. The segment-appropriate generation of spinal chord motor columns requires cooperation with other Hox proteins. Can regulate PITX3 promoter activity; may promote midbrain identity in embryonic stem cell-derived dopamine neurons by regulating PITX3. Negatively regulates the differentiation of T follicular helper cells T(FH)s. Involved in maintenance of hair follicle stem cell quiescence; the function probably involves regulation of FGF18 (By similarity). Represses transcription of various pro-apoptotic genes and cooperates with NF-kappa B-signaling in promoting B-cell expansion by inhibition of caspase-dependent apoptosis (PubMed:25267198). Binds to CSF1R promoter elements and is involved in regulation of monocyte differentiation and macrophage functions; repression of CSF1R in monocytes seems to involve NCOR2 as corepressor (PubMed:15286807, PubMed:18799727, PubMed:18347093). Involved in endothelial cell proliferation, tube formation and migration indicative for a role in angiogenesis; the role in neovascularization seems to implicate suppression of SEMA5B (PubMed:24023716). Can negatively regulate androgen receptor signaling (PubMed:18640093).

Subunit Structure: Forms homodimers and heterodimers with FOXP2 and FOXP4 (PubMed:25027557). Dimerization is required for DNA-binding. Self-associates (PubMed:26647308). Interacts with CTBP1 (By similarity). Interacts with NCOR2 and AR (PubMed:18347093, PubMed:18640093). Interacts with FOXP2 (PubMed:26647308). Similarity: The leucine-zipper is required for dimerization and transcriptional repression.

NCBI AND UNIPROT INFORMATION

NCBI GI #	60498987
NCBI GeneID	27086
NCBI Accession #	NP_001012523.1
NCBI GenBank Nucleotide #	NM_001012505.1
UniProt Accession #	Q9H334; Q8NAN6; Q9BSG9; Q9H332; Q9H333; Q9P0R1; A3QVP8; B3KV70; G5E9V8
Molecular Weight	Observed: 75 kDa Predicted: 76 kDa
NCBI Official Full Name	forkhead box protein P1 isoform b
NCBI Official Synonym Full Names	forkhead box P1
NCBI Official Symbol	FOXP1
NCBI Official Synonym Symbols	MFH; QRF1; 12CC4; hFKH1B; HSPC215

NCBI Protein Information	forkhead box protein P1
UniProt Protein Name	Forkhead box protein P1
UniProt Gene Name	FOXP1
UniProt Synonym Gene Names	MFH1 PublicationManual assertion based on opinion iniRef.9

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxp1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326956>