

FOXP1
Mouse Monoclonal antibody(Mab)
Catalog # AD80076

Specification

FOXP1 - Product info

Application	IHC-P, IHC
Primary Accession	O9H334
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	75317

FOXP1 - Additional info

Gene ID	27086
Gene Name	FOXP1
Other Names	Forkhead box protein P1, Mac-1-regulated forkhead, MFH, FOXP1

Dilution

IHC-P~~Ready-to-use
IHC~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

FOXP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FOXP1 - Protein Information

Name FOXP1

Function

Transcriptional repressor (PubMed:[18347093](#), PubMed:[26647308](#)). Can act with CTBP1 to synergistically repress transcription but CTPBP1 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](#)). Nucleus. Note=Not found in the nucleolus Isoform 8 is specifically expressed in embryonic stem cells.

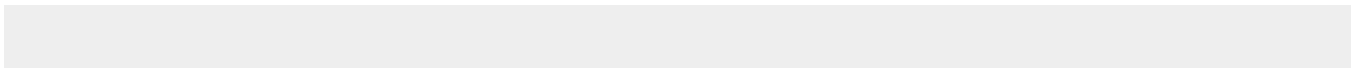
Cellular Location
Tissue Location

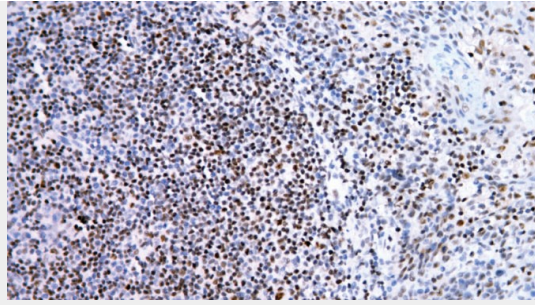
FOXP1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

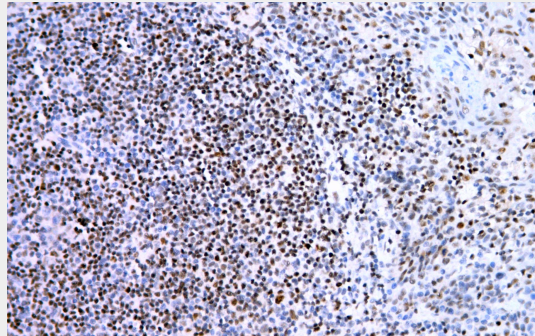
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FOXP1 - Images





Tonsil



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80076 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.