

**Rabbit Anti-FOXP1 [EP137]: RM0096**

**Intended Use:** For Research Use Only

**Description:** The FOXP1 protein belongs to a functionally diverse family of winged-helix or forkhead transcription factors that have diverse roles in cellular proliferation, differentiation, and neoplastic transformation. The FOXP1 gene has been mapped to chromosome 3p14.1, a region that commonly shows loss of heterozygosity in a wide range of tumors and is reported to contain a tumor suppressor gene(s). The FOXP1 protein is widely expressed in normal human tissues. It labels activated B cells in the mantle zone and germinal center of lymphoid tissues. In lymphoid malignancies, FOXP1 protein expression may be found in diffuse large B-cell lymphomas and extranodal marginal zone B-cell lymphomas of mucosa-associated lymphoid tissue (MALT). Strong expression of FOXP1 is associated with poor disease-free survival and transformation to diffuse large B-cell lymphomas. Recently, studies suggested a role of FOXP1 in the regulation of ER expression. FOXP1 expression is correlated with ER expression and improved survival in breast cancer patients. Nuclear expression of FOXP1 is associated with ER expression, while cytoplasmic expression of FOXP1 is linked to myometrial invasion in endometrial cancer.

**Specifications**

Clone: EP137  
 Source: Rabbit  
 Reactivity: Human  
 Isotype: IgG  
 Localization: Nucleus, cytoplasm  
 Formulation: Protein G purified from ascites in 0.2% BSA and 15mM sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
 Applications: IHC for FFPE, Frozen  
 Package:

Description	Catalog No.	Size
FOXP1 [EP137] Concentrated	RM0096	1 ml

**IHC Procedure\***

Positive Control Tissue: Tonsil, diffuse large B-cell lymphoma  
 Concentrated Dilution: 50-200  
 Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual  
 \* Result should be confirmed by an established diagnostic procedure.



Human tonsil FFPE tissue stained with anti-FOXP1 using DAB

**References:**

1. Strong expression of the neuronal transcription factor FOXP2 is linked to an increased risk of early PSA recurrence in ERG fusion-negative cancers. Stumm L, et al. J Clin Pathol. 2013 Jul;66(7):563-8.
2. Expression of FOXP1 in mucosa-associated lymphoid tissue lymphoma suggests a large tumor cell transformation and predicts a poorer prognosis in the positive thyroid patients. Jiang W, et al. Med Oncol. 2012 Dec;29(5):3352-9.
3. FOXP1 status in splenic marginal zone lymphoma: a fluorescence in situ hybridization and immunohistochemistry approach. Baró C, et al. Histol Histopathol. 2009 Nov;24(11):1399-404.

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