

**LEF-1**  
Rabbit Monoclonal antibody(Mab)  
Catalog # AD80090

## Specification

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### LEF-1 - Product info

Application	IHC-P, IHC
Primary Accession	<a href="#">O9UJU2</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	44201

### LEF-1 - Additional info

Gene ID	51176
Gene Name	LEF1

#### Other Names

Lymphoid enhancer-binding factor 1, LEF-1, T cell-specific transcription factor 1-alpha, TCF1-alpha, LEF1

#### Dilution

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

#### Storage

Maintain refrigerated at 2-8°C

#### Precautions

**LEF-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

### LEF-1 - Protein Information

Name LEF1 ([HGNC:6551](#))

#### Function

**Participates in the Wnt signaling pathway. Activates transcription of target genes in the presence of CTNNB1 and EP300. May play a role in hair cell differentiation and follicle morphogenesis. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1. Regulates T-cell receptor alpha enhancer function. Binds DNA in a sequence-specific manner. PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1 (By similarity). Isoform 3 lacks the CTNNB1 interaction domain and may be an**

antagonist for Wnt signaling. Isoform 5 transcriptionally activates the fibronectin promoter, binds to and represses transcription from the E-cadherin promoter in a CTNNB1- independent manner, and is involved in reducing cellular aggregation and increasing cell migration of pancreatic cancer cells. Isoform 1 transcriptionally activates MYC and CCND1 expression and enhances proliferation of pancreatic tumor cells.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}. Note=Found in nuclear bodies upon PIASG binding.

Tissue Location

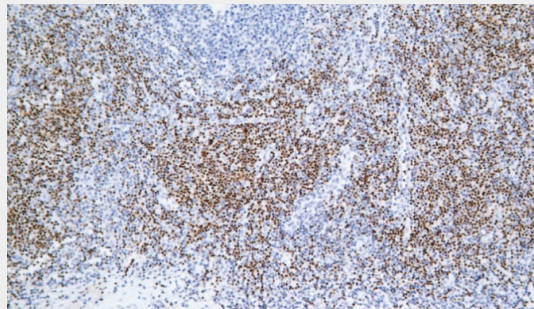
Detected in thymus. Not detected in normal colon, but highly expressed in colon cancer biopsies and colon cancer cell lines. Expressed in several pancreatic tumors and weakly expressed in normal pancreatic tissue. Isoforms 1 and 5 are detected in several pancreatic cell lines

### LEF-1 - Protocols

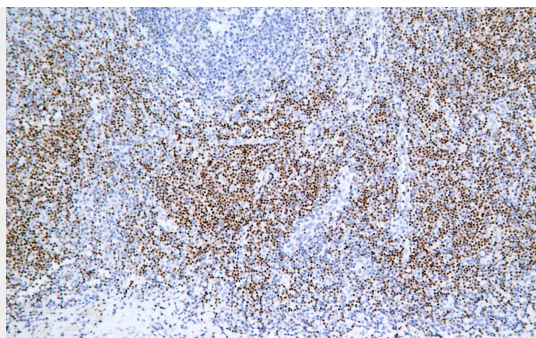
Provided below are standard protocols that you may find useful for product applications.

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

### LEF-1 - Images



Tonsil



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80090 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.