

Anti-LEF1 Rabbit Monoclonal Antibody Catalog # ABO13361

Specification

Anti-LEF1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	O9UJU2
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-LEF1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-LEF1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 51176

Other Names

Lymphoid enhancer-binding factor 1 {ECO:0000312|HGNC:HGNC:6551}, LEF-1, T cell-specific transcription factor 1-alpha, TCF1-alpha {ECO:0000312|HGNC:HGNC:6551}, LEF1 ([HGNC:6551](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6551))

Calculated MW

44201 MW KDa

Application Details

WB 1:1000-1:2000
IHC 1:50-1:200
ICC/IF 1:100-1:500
IP 1:50
FC 1:50

Subcellular Localization

Nucleus. Found in nuclear bodies upon PIASG binding..

Tissue Specificity

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..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human LEF1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-LEF1 Rabbit Monoclonal Antibody - Protein Information

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

Function

Transcription factor that binds DNA in a sequence-specific manner (PubMed:[2010090](http://www.uniprot.org/citations/2010090)). Participates in the Wnt signaling pathway (By similarity). Activates transcription of target genes in the presence of CTNNB1 and EP300 (By similarity). PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1 (By similarity). TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1 (PubMed:[11266540](http://www.uniprot.org/citations/11266540)). Regulates T-cell receptor alpha enhancer function (PubMed:[19653274](http://www.uniprot.org/citations/19653274)). Required for IL17A expressing gamma-delta T-cell maturation and development, via binding to regulator loci of BLK to modulate expression (By similarity). Acts as a positive regulator of odontoblast differentiation during mesenchymal tooth germ formation, expression is repressed during the bell stage by MSX1-mediated inhibition of CTNNB1 signaling (By similarity). May play a role in hair cell differentiation and follicle morphogenesis (By similarity).

Cellular Location

Nucleus {ECO:000255|PROSITE-ProRule:PRU00267}. Note=Found in nuclear bodies upon PIASG binding.

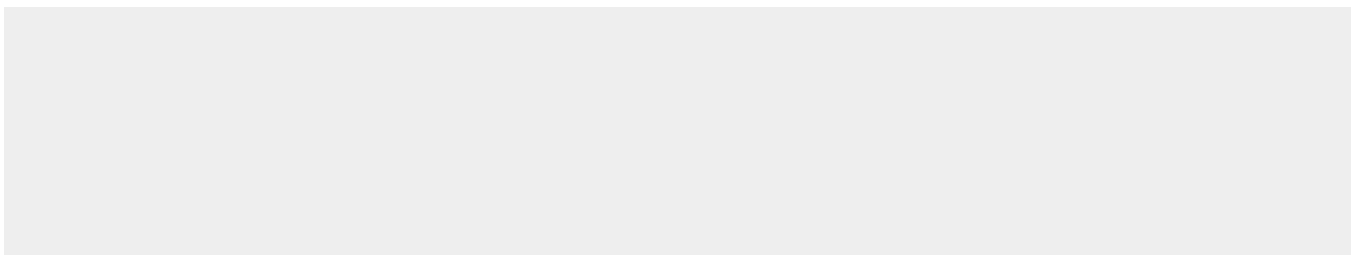
Tissue Location

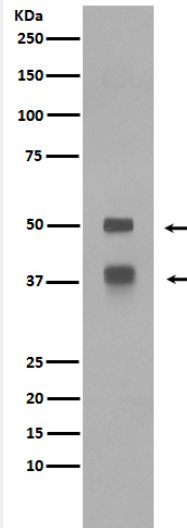
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Anti-LEF1 Rabbit Monoclonal Antibody - Protocols

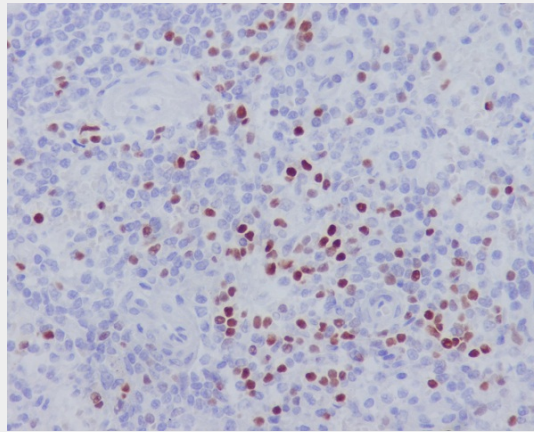
Provided below are standard protocols that you may find useful for product applications.

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

Anti-LEF1 Rabbit Monoclonal Antibody - Images



Western blot analysis of LEF1 expression in Jurkat cell lysate.



Immunohistochemical analysis of paraffin-embedded human spleen, using LEF1 Antibody.