BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-LEF1 Antibody

**Catalog Number:** M00605-1

## About LEF1

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.

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## Overview

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|---|---|
| Product Name | Anti-LEF1 Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-LEF1 Antibody (Catalog # M00605-1). Tested in WB application(s). This antibody reacts with Human. |
| Application | WB |
| Clonality | Monoclonal 1866CT561.78.3 |
| Formulation | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host | Mouse |
| Uniprot ID | Q9UJU2 |

## Technical Details

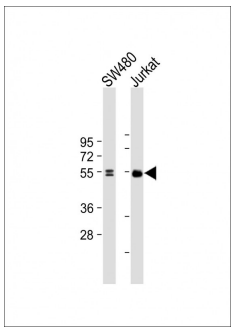
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| Immunogen | This antibody is generated from a mouse immunized with a recombinant protein between 95-283 amino acids from human. |

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| Predicted Reactive Species | Mouse |
| Isotype | IgG1,kappa |
| Purification | This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Suggested Dilutions | WB: 1:4000<br>Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |

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# Anti-LEF1 Antibody (M00605-1) Images




All lanes : Anti-LEF1 at dilutionLane 1: SW480 whole cell lysateLane 2: Jurkat whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-LEF1 Antibody

For Research Use Only. Not for use in diagnostic procedures.