

## Rabbit LEF1 Polyclonal Antibody | anti-LEF1 antibody

LEF1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA327229 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

LEF1; Polyclonal Antibody; LEF1 Antibody; DKFZp586H0919; FLJ46390; LEF 1; LEF-1; Lef1; LEF1\_HUMAN; Lymphoid enhancer binding factor 1; Lymphoid enhancer-binding factor 1; T cell specific transcription factor 1 alpha; T cell-specific transcription factor 1-alpha; TCF 1 alpha; TCF1 alpha; TCF1-alpha; TCF10; TCF1alpha; TCF7L3; Transcription factor T cell specific 1 alpha; anti-LEF1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                                         |
| Clonality                                      | Polyclonal                                                                                                |
| Isotype                                        | IgG                                                                                                       |
| Specificity                                    | LEF1 antibody detects endogenous levels of total LEF1                                                     |
| Purity/Purification                            | Peptide affinity purification                                                                             |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.             |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                    |
| Sequence Length                                | 371                                                                                                       |
| Applicable Applications for anti-LEF1 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)  |
| Immunogen                                      | A synthesized peptide derived from human LEF1, corresponding to a region within the internal amino acids. |
| Conjugation                                    | Unconjugated                                                                                              |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                         |

### IMAGES



#### WB (Western Blot)

Western blot analysis of LEF1 using HT-29 whole cell lysates



#### IHC (Immunohistochemistry)

AAA327229 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### IF (Immunofluorescence)

AAA327229 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

## ADDITIONAL INFORMATION

### Related Product Information for anti-LEF1 antibody

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.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 195222732                                      |
| NCBI GeneID                      | 51176                                          |
| NCBI Accession #                 | NP_001124185.1                                 |
| NCBI GenBank Nucleotide #        | NM_001130713.2                                 |
| UniProt Accession #              | Q9UJU2; Q3ZCU4; Q9HAZ0; B4DG38; B7Z8E2; E9PDK3 |
| Molecular Weight                 | 55 kDa                                         |
| NCBI Official Full Name          | lymphoid enhancer-binding factor 1 isoform 2   |
| NCBI Official Synonym Full Names | lymphoid enhancer binding factor 1             |
| NCBI Official Symbol             | LEF1                                           |
| NCBI Official Synonym Symbols    | LEF-1; TCF10; TCF7L3; TCF1ALPHA                |
| NCBI Protein Information         | lymphoid enhancer-binding factor 1             |
| UniProt Protein Name             | Lymphoid enhancer-binding factor 1             |
| UniProt Gene Name                | LEF1                                           |
| UniProt Synonym Gene Names       | LEF-1; TCF1-alpha                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lef1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327229>