

**ARG64029**  
anti-LEF1 antibodyPackage: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes LEF1  |
| Tested Reactivity   | Hu, Rat   |
| Predict Reactivity  | Ms, Dog, Zfsh   |
| Tested Application  | WB  |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | LEF1  |
| Antigen Species     | Human   |
| Immunogen           | C-QHEQRKEQEPKRPH  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Lymphoid enhancer-binding factor 1; TCF1-alpha; TCF7L3; T cell-specific transcription factor 1-alpha; LEF-1; TCF1ALPHA; TCF10 |

### Application Instructions

|                  |   |
|------------------|---|
| Application Note | <p>WB: Recommend incubate at RT for 1h. Approx 48 kDa band observed in lysates of cell lines Daudi and Jurkat (calculated MW of 44.2 kDa according to NP_057353.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Yasumoto et al , EMBO J. 2002 Jun 3;21(11):2703-14.; PMID: 12032083). The same band was also observed in Mouse and Rat Spleen lysates. Recommended concentration: 1-3 µg/ml.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p> |
|------------------|---|

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| Buffer              | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA  |
| Preservative        | 0.02% Sodium azide   |
| Stabilizer          | 0.5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

Database links

[GeneID: 161452 Rat](#)

[GeneID: 51176 Human](#)

[Swiss-port # Q9QXN1 Rat](#)

[Swiss-port # Q9UJU2 Human](#)

Background

This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Resrarch Area

Cancer antibody; Controls and Markers antibody; Developmental Biology antibody; Gene Regulation antibody; Signaling Transduction antibody

## Images

---



ARG64029 anti-LEF1 antibody WB image

Western Blot: Daudi cell lysate (35 µg protein in RIPA buffer) stained with ARG64029 anti-LEF1 antibody at 1 µg/ml dilution.