

Datasheet for ABIN3031647
anti-LEF1 antibody (AA 10-37)



[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	LEF1
Binding Specificity:	AA 10-37
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LEF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 10-37 from the human protein was used as the immunogen for this LEF1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Antigen affinity purified

Target Details

Target:	LEF1
Alternative Name:	LEF1 (LEF1 Products)
Background:	Lymphoid enhancer-binding factor 1 participates in the Wnt signaling pathway. Activates

Target Details

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. [UniProt]

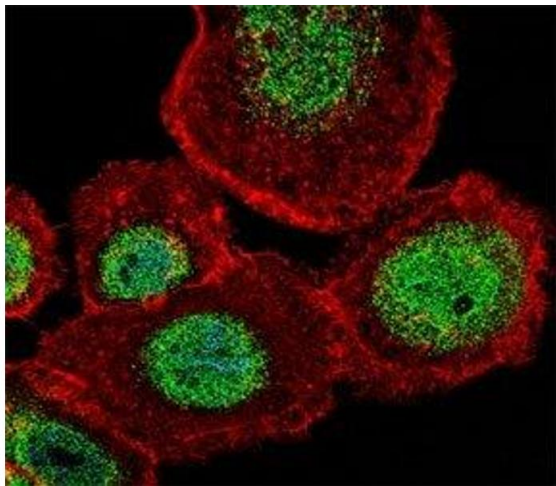
UniProt:	Q9UJU2
Pathways:	WNT Signaling , Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Hormone Metabolic Process , Nuclear Hormone Receptor Binding , Chromatin Binding

Application Details

Application Notes:	Titration of the LEF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

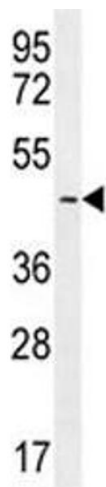
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the LEF1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



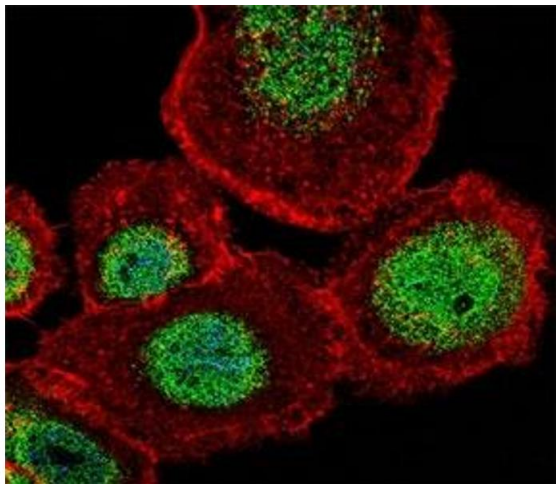
Immunofluorescence

Image 1. Fluorescent confocal image of A431 cell stained with LEF1 antibody at 1:25. LEF1 immunoreactivity is localized to the nucleus strongly and cytoplasm weakly.



Western Blotting

Image 2. LEF1 antibody western blot analysis in MDA-MB435 lysate.



Immunofluorescence

Image 3. Fluorescent confocal image of A431 cell stained with LEF1 antibody at 1:25. LEF1 immunoreactivity is localized to the nucleus strongly and cytoplasm weakly.