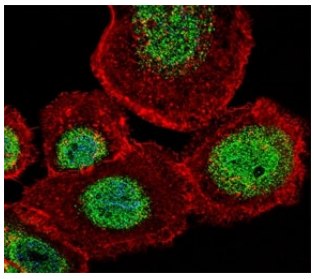
LEF1 Antibody (F41886)

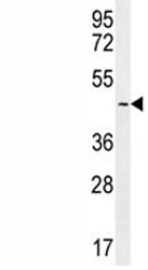
Catalog No.	Formulation	Size
F41886-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41886-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9UJU2
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50
Limitations	This LEF1 antibody is available for research use only.



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



LEF1 antibody western blot analysis in MDA-MB435 lysate.

Description

Lymphoid enhancer-binding factor 1 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. [UniProt]

Application Notes

Titration of the LEF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 10-37 from the human protein was used as the immunogen for this LEF1 antibody.

Storage

Aliquot the LEF1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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