

Rabbit LEF1 Polyclonal Antibody | anti-LEF1 antibody

LEF1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290121	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunofluorescence, ELISA, Western Blot

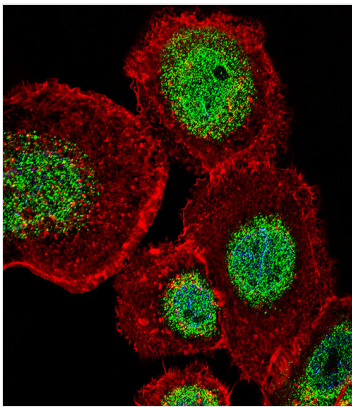
PRODUCT SYNONYMS

LEF1; Polyclonal Antibody; LEF1 Antibody (N-term); Lymphoid enhancer-binding factor 1; LEF-1; T cell-specific transcription factor 1-alpha; TCF1-alpha; anti-LEF1 antibody

PRODUCT SPECIFICATIONS

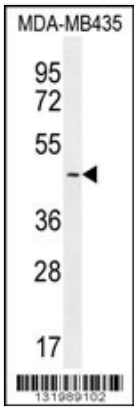
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LEF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-37 amino acids from the N-terminal region of human LEF1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	10-37
Sequence Length	303
Applicable Applications for anti-LEF1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Fluorescent confocal image of A431 cell stained with LEF1 Antibody (N-term). A431 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with LEF1 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). LEF1 immunoreactivity is localized to Nucleus significantly and Cytoplasm weakly.



WB (Western Blot)

LEF1 Antibody (N-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the LEF1 antibody detected the LEF1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LEF1 antibody	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.
Product Categories/Family for anti-LEF1 antibody	Cancer; Developmental biology; Signal transduction
References	Gutierrez, A. Jr., et al. Blood 116(16):2975-2983(2010) Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010) Chen, Q.Y., et al. J. Immunol. 184(9):5047-5054(2010) Beagle, B., et al. PLoS ONE 5 (7), E11821 (2010) : Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	195222732
NCBI GeneID	51176
NCBI Accession #	NP_001124185.1; NP_001124186.1; NP_001159591.1; NP_057353.1
NCBI GenBank Nucleotide #	NM_001130713.2
UniProt Accession #	Q9UJU2; Q3ZCU4; Q9HAZ0; B4DG38; B7Z8E2; E9PDK3
Molecular Weight	44201
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
UniProt Entry Name	LEF1_HUMAN

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-immunofluorescence-western-blot-elisa/290121>