产品名称：LEF-1 (phospho Ser42) Rabbit Polyclonal Antibody
产品货号：APRab04951

产品概述（Summary）

产品名称（Production Name）	LEF-1 (phospho Ser42) Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC
种属反应性（Reactivity）	Human,Mouse,Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Phosphorylated
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	LEF1
别名（Alternative Names）	LEF1; Lymphoid enhancer-binding factor 1; LEF-1; T cell-specific transcription factor 1-alpha; TCF1-alpha
基因 ID（Gene ID）	51176.0
蛋白 ID（SwissProt ID）	Q9UJU2.The antiserum was produced against synthesized peptide derived from human LEF-1 around the phosphorylation site of Ser42. AA range:8-57

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量（Molecular Weight）	55kDa

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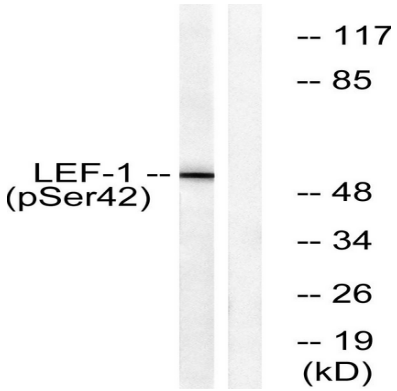
研究背景（Background）

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],alternative products:Additional isoforms seem to exist,domain:Proline-rich and acidic regions are implicated in the activation functions of RNA polymerase II transcription factors.,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.,similarity:Belongs to the TCF/LEF family.,similarity:Contains 1 HMG box DNA-binding domain.,subcellular location:Found in nuclear bodies upon PIASG binding.,subunit:Binds the armadillo repeat of CTNNB1 and forms a stable complex. Interacts with EP300, TLE1 and PIASG (By similarity). Binds THOC4, MDFI and MDFIC.,tissue specificity:Detected in thymus. Not detected in normal colon, but highly expressed in colon cancer biopsies and colon cancer cell lines.,

研究领域（Research Area）

WNT;WNT-T CELLAdherens_Junction;Melanogenesis;Pathways in cancer;Colorectal cancer;Endometrial cancer;Prostate cancer;Thyroid cancer;Basal cell carcinoma;Acute myeloid leukemia;Arrhythmogenic right ventricular cardiomyopathy (ARVC);

图片（Image Data）



Western blot analysis of lysates from 293 cells treated with paclitaxel 1uM 24h, using LEF-1 （Phospho-Ser42） Antibody. The lane on the right is blocked with the phospho peptide.

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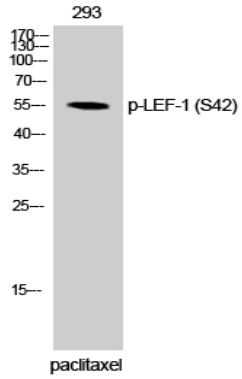

Western Blot analysis of 293 cells using Phospho-LEF-1 （S42） Polyclonal Antibody

注意事项（Note）

For research use only .