À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-LEF1

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:14972-1-AP Phare 36 Publications

Informations de base

Numéro de catalogue:
14972-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG6882

Numéro d'acquisition GenBank:
BC050632

Identification du gène (NCBI):
51176

Nom complet:
lymphoid enhancer-binding factor 1

MW calculé
37 kDa

MW observés:
50-55 kDa, 65 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

Applications

Applications testées:
IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain, rat, souris

Contrôles positifs:

WB : cellules Jurkat, cellules COLO 320, cellules NCCIT

IP : cellules SW-1990,

Informations générales

Lymphoid enhancer-binding factor 1(LEF1) belongs to a family of regulatory protein share homology with high mobility group protein-1, and it's a nuclear protein exprssed in pre-B and T cells. LEF1 has a role in the Wnt signaling pathway and hair cell differentiation and follicle morphogenesis. Together with CTNNB1 and EP300, LEF1 activates transcription of target genes. 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. MECs can give rise to seven cell types of the SAE and SMGs following severe airway injury. MECs progressively adopted a basal cell phenotype on the SAE and established lasting progenitors capable of further regeneration following reinjury. MECs activate Wnt-regulated transcription factors (Lef-1/TCF7) following injury and Lef-1 induction in cultured MECs promoted transition to a basal cell phenotype. Surprisingly, dose-dependent MEC conditional activation of Lef-1in vivopromoted self-limited airway regeneration in the absence of injury. Thus, modulating the Lef-1 transcriptional program in MEC-derived progenitors may have regenerative medicine applications for lung diseases. (https://doi.org/10.1016/j.stem.2018.03.017) The phosphorylation may affects LEF1 protein's theoretical molecular weight when tested.40-70 kD bands have also been reported (PMID: 22261717; 17063141).

Publications notables

Autrice	Pubmed ID	Journal	Application
Y Gong	25429621	Cell Death Dis	
Jia Peng	25394221	PLoS One	WB
Ziling Wang	32565825	Stem Cells Int	WB

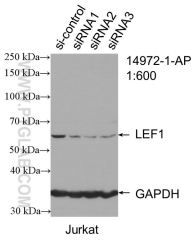
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

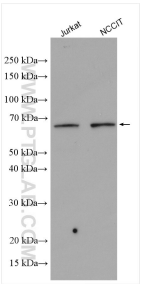
*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

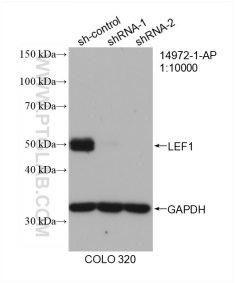
Données de validation sélectionnées



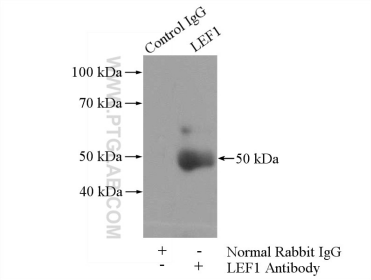
WB result of LEF1 antibody (14972-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-LEF1 transfected Jurkat cells.



Various lysates were subjected to SDS PAGE followed by western blot with 14972-1-AP (LEF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of LEF1 antibody (14972-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LEF1 transfected COLO 320 cells.



IP Result of anti-LEF1 (IP:14972-1-AP, 4ug; Detection:14972-1-AP 1:300) with SW 1990 cells lysate 2400ug.