À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-LEF1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:CL488-28540

## Informations de base

Numéro de catalogue:
CL488-28540

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG29841

Numéro d'acquisition GenBank:
BC050632

Identification du gène (NCBI):
51176

Nom complet:
lymphoid enhancer-binding factor 1

MW calculé
37 kDa

MW observés:
50 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

## Applications

Applications testées:
FC (Intra)

Spécificité de l'espèce:
Humain

## 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. LEF1 exists as seven isoforms and we detects three isoforms with MW 44 kDa, 36 kDa and 23 kDa. 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 ).

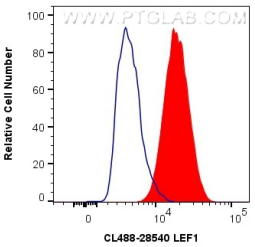
## Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, 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




1X10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human LEF1 (CL488-28540) (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).