

Allgemeine Informationen

Katalog-Nr.: 14972-1-AP	GenBank-Zugangsnummer: BC050632	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 700 µg/ml von Nanodrop;	GeneID (NCBI): 51176	Empfohlene Verdünnungen: WB 1:1000-1:4000 IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: lymphoid enhancer-binding factor 1	
Isotyp: IgG	Berechnete Masse: 37 kDa	
Immunogen Katalognummer: AG6882	Beobachtete Masse: 50-55 kDa, 65 kDa	

Anwendungen

Geprüfte Anwendungen: IP, WB, ELISA	Positivkontrollen: WB : Jurkat-Zellen, COLO 320-Zellen, NCCIT-Zellen IP : SW 1990-Zellen,
In Publikationen genannte Anwendungen: IF, IHC, IP, WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

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 expressed 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-1 in vivo promoted 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).

Bemerkenswerte Veröffentlichungen

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

Lagerung

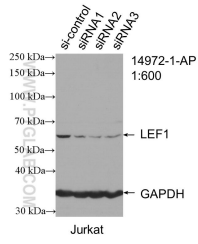
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

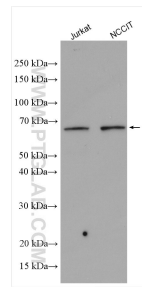
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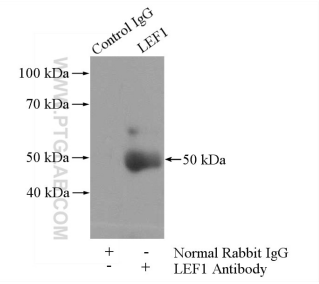
Ausgewählte Validierungsdaten



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.



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