Datasheet for ABIN1387756

anti-LEF1 antibody (pSer42)

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Overview

Quantity:	100 µL
Target:	LEF1
Binding Specificity:	pSer42
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LEF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human LEF1 around the phosphorylation site of Ser42
Isotype:	IgG
Specificity:	This antibody will recognize LEF1(Ser40) in mouse and rat
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	LEF1

Target Details

Alternative Name:	LEF1 (LEF1 Products)
Background:	Synonyms: LEF-1, TCF10, TCF7L3, TCF1ALPHA, Lymphoid enhancer-binding factor 1, T cell-specific transcription factor 1-alpha, TCF1-alpha, LEF1 Background: 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. 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.
Gene ID:	51176
UniProt:	Q9UJU2
Pathways:	WNT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Hormone Metabolic Process, Nuclear Hormone Receptor Binding, Chromatin Binding

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

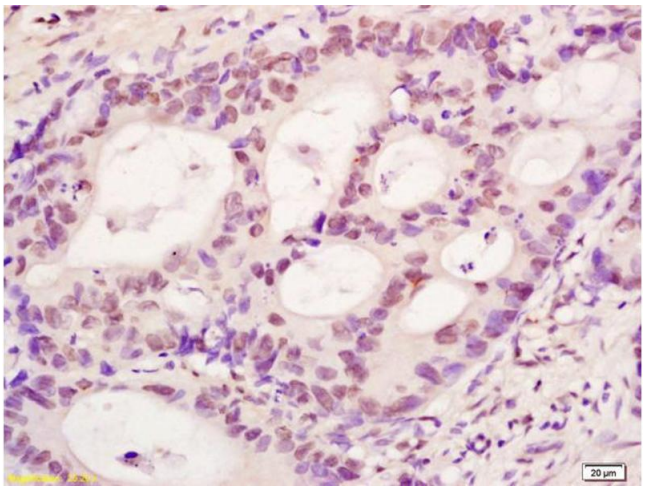
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Fu, Huang, Wang, Chen, Huang, Lu, Liang, Zhang: "Proteome Profile and Quantitative Proteomic Analysis of Buffalo (Bubalusbubalis) Follicular Fluid during Follicle Development." in: **International journal of molecular sciences**, Vol. 17, Issue 5, (2016) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-phospho-LEF1(Ser42) Polyclonal Antibody, Unconjugated (ABIN1387756) at 1:200 followed by conjugation to the secondary antibody and DAB staining.