



## LEF1 Polyclonal Antibody

Catalog No	E90909	Lot Number	P00009
Applications	IHC	Quantity	100ul, 100ug/100ul
Cross-Reactivity	H M R	Calculated MW	37kDa

### Immunogen Information

Immunogen	Recombinant protein of human LEF1
Gene ID	51176
Swiss Prot	Q9UJU2
Synonyms	KFZp586H0919; TCF1ALPHA

### Product information

Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

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

### Recommended Dilutions

IHC	1:50- 1:200
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