

Anti-LEF1 Antibody (7G348)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7G348
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. IHC image of TMAH-00689 diluted at 1:50 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond TM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.52% DAB.
	2. IHC image of TMAH-00689 diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed on a Leica Bond TM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.52% DAB.
Application:	ELISA, IHC
Recommended	IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human LEF1
Antigen Species:	Human
Gene ID:	51176
Uniprot ID:	Q9UJU2
Synonyms:	Lymphoid enhancer-binding factor 1;T cell-specific transcription factor 1-alpha;LEF-1;TCF1-alpha
Biology Area:	Epigenetics and Nuclear Signaling, Cancer, Developmental biology, Stem cells

Research Background

Transcription factor that binds DNA in a sequence-specific manner. Participates in the Wnt signaling pathway. Activates transcription of target genes in the presence of CTNNB1 and EP300. PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and

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CTNNB1. Regulates T-cell receptor alpha enhancer function. Required for IL17A expressing gamma-delta T-cell maturation and development, via binding to regulator loci of BLK to modulate expression. May play a role in hair cell differentiation and follicle morphogenesis. Transcriptionally activates MYC and CCND1 expression and enhances proliferation of pancreatic tumor cells. Lacks the CTNNB1 interaction domain and may therefore be an antagonist for Wnt signaling. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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