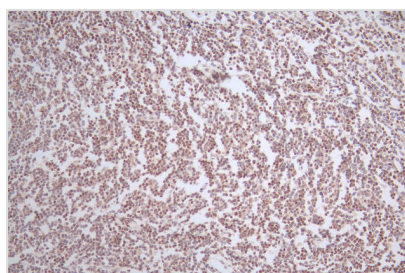




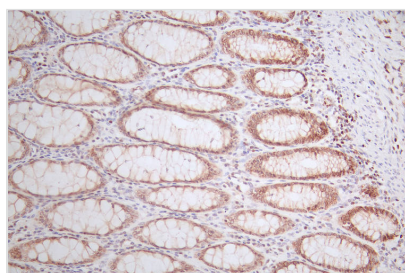
LEF1 Recombinant Monoclonal Antibody

Product Code	CSB-RA561630A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9UJU2
Immunogen	A synthesized peptide derived from Human LEF1
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling;Cancer;Developmental biology;Stem cells
Gene Names	LEF1
Clone No.	13B7

Image



IHC image of CSB-RA561630A0HU diluted at 1:50 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM 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.



IHC image of CSB-RA561630A0HU diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed on a Leica BondTM 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.



Description

Through in vitro expression systems, the LEF1 recombinant monoclonal antibody is synthesized by cloning the DNA sequences of LEF1 antibodies sourced from immunoreactive rabbits. A synthesized peptide derived from the human LEF1 protein serves as the immunogen in this process. The genes encoding the LEF1 antibodies are subsequently inserted into plasmid vectors, and these recombinant plasmid vectors are transfected into host cells for antibody expression. After expression, the LEF1 recombinant monoclonal antibody is subjected to affinity-chromatography purification and is extensively tested for functionality in ELISA and IHC applications, demonstrating reactivity with the human LEF1 protein during these assessments.

LEF1 is a transcription factor with diverse functions in various biological processes, including embryonic development, tissue homeostasis, cell differentiation, and cancer. Its role as a key mediator of the Wnt signaling pathway makes it a critical regulator of gene expression and cellular responses to Wnt ligands, ultimately influencing tissue development and maintenance.