LEF-1 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	LEF-1, Polyclonal Antibody
Full Product Name	LEF-1 (phospho Ser42) Polyclonal Antibody
Product Gene Name	anti-LEF-1 antibody
Clonality	Polyclonal
Molecular Weight	34,103 Da
OMIM	153245
3D Structure	ModBase 3D Structure for Q9UJU2
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-LEF-1 antibody	MBS8520148 is an antibody targeting LEF-1. Also known as LEF-1 (phospho Ser42) Polyclonal Antibody.
Other Notes	Small volumes of anti-LEF-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LEF-1. It may not necessarily be applicable to this product.

NCBI GI #	195222732
NCBI GeneID	51176
NCBI Accession #	NP_001124185.1
UniProt Primary Accession #	Q9UJU2
UniProt Secondary Accession #	Q3ZCU4; Q9HAZ0; B4DG38; B7Z8E2; E9PDK3
UniProt Related Accession #	Q9UJU2
GenBank Nucleotide #	NM_001130713.2
NCBI Official Full Name	lymphoid enhancer-binding factor 1 isoform 2
NCBI Official Synonym Full Names	lymphoid enhancer binding factor 1
NCBI Official Symbol	LEF1
NCBI Official Synonym Symbols	LEF-1; TCF10; TCF7L3; TCF1ALPHA
UniProt Protein Name	Lymphoid enhancer-binding factor 1
UniProt Synonym Protein Names	T cell-specific transcription factor 1-alpha; TCF1-alpha
Protein Family	Late expression factor
UniProt Gene Name	LEF1
UniProt Synonym Gene Names	LEF-1; TCF1-alpha
NCBI Protein Information	lymphoid enhancer-binding factor 1

NCBI Summary for LEF-1	This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
UniProt Comments for LEF-1	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 (). 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.
Research Articles on LEF-1	**1.** these data suggest that LEF1 rather has tumor suppressive functions and attenuates aggressiveness in a subset of RMS.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-antibody/lef-1/8520148