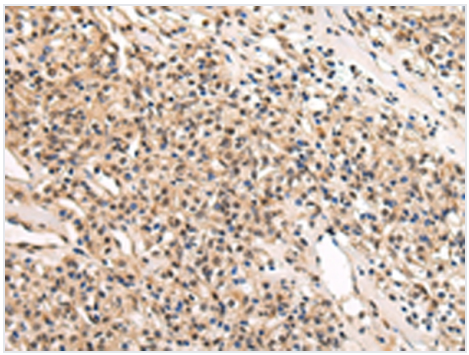
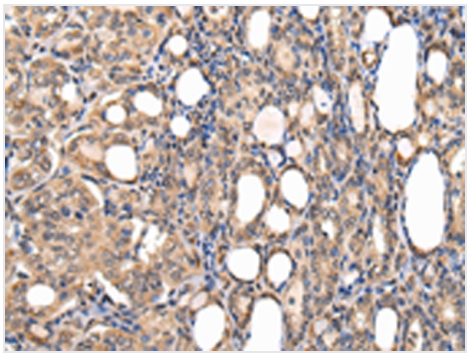
USF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	USF1, Polyclonal Antibody
Full Product Name	USF1 Antibody
Product Gene Name	anti-USF1 antibody
Product Synonym Names	UEF; FCHL; MLTF; FCHL1; MLTFI; HYPLIP1; bHLHb11
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	1.7 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total USF1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	27,372 Da
OMIM	144250
3D Structure	ModBase 3D Structure for P22415
Immunogen	Fusion protein of human USF1
Immunogen Type	Protein
Product Categories/Family for anti-USF1 antibody	Total protein Ab
Applications Tested/Suitable for anti-USF1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-USF1 antibody	Immunohistochemistry: 1:25-1:100
Related Product Information for anti-USF1 antibody	This gene encodes a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidine-rich initiator (Inr) elements and E-box motifs. This gene has been linked to familial combined hyperlipidemia (FCHL). Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been defined on chromosome 21.
Other Notes	Small volumes of anti-USF1 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.
Searchable Terms for USF1 purchase	MBS9415515 is an antibody targeting USF1. Also known as USF1 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-USF1 antibody
Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using at dilution 1/30.



Immunohistochemistry (IHC) of anti-USF1 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/30.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for USF1. It may not necessarily be applicable to this product.

NCBI GI #	444909174
NCBI GeneID	7391
NCBI Accession #	NP_001263302.1
UniProt Primary Accession #	P22415
UniProt Secondary Accession #	Q5SY46; Q7Z5Y1; B2RBZ4
UniProt Related Accession #	P22415
GenBank Nucleotide #	NM_001276373.1
NCBI Official Full Name	upstream stimulatory factor 1 isoform 1
NCBI Official Synonym Full Names	upstream transcription factor 1
NCBI Official Symbol	USF1
NCBI Official Synonym Symbols	UEF; FCHL; MLTF; FCHL1; MLTFI; HYPLIP1; bHLHb11
UniProt Protein Name	Upstream stimulatory factor 1
UniProt Synonym Protein Names	Class B basic helix-loop-helix protein 11; bHLHb11; Major late transcription factor 1
Protein Family	Upstream stimulatory factor
UniProt Gene Name	USF1
UniProt Synonym Gene Names	BHLHB11; USF; bHLHb11
UniProt Entry Name	USF1_HUMAN
NCBI Protein Information	upstream stimulatory factor 1

UniProt Comments for USF1	USF1: Transcription factor that binds to a symmetrical DNA sequence (E-boxes) (5'-CACGTG-3') that is found in a variety of viral and cellular promoters. Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as an homodimer or a heterodimer (USF1/USF2). Interacts with varicella-zoster virus IE62 protein. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 1q22-q23 Cellular Component: nuclear chromatin; nucleoplasm; nucleus; transcription factor complex Molecular Function: bHLH transcription factor binding; enzyme binding; histone deacetylase binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein kinase binding; RNA polymerase II transcription factor activity, enhancer binding; sequence-specific DNA binding Biological Process: cellular response to insulin stimulus; glucose homeostasis; late viral mRNA transcription; lipid homeostasis; negative regulation of fibrinolysis; positive regulation of transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase II promoter by glucose; regulation of transcription by carbon catabolites; regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter by glucose; response to hypoxia; response to UV; transcription from RNA polymerase II promoter Disease: Hyperlipidemia, Combined, 1
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-human-antibody/usf1/9415515