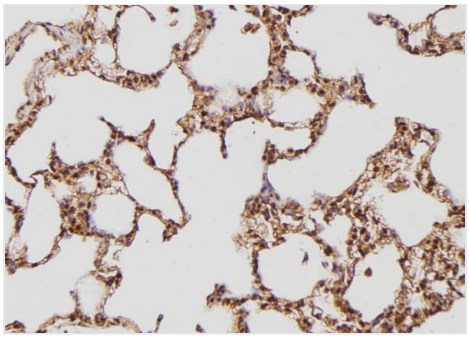
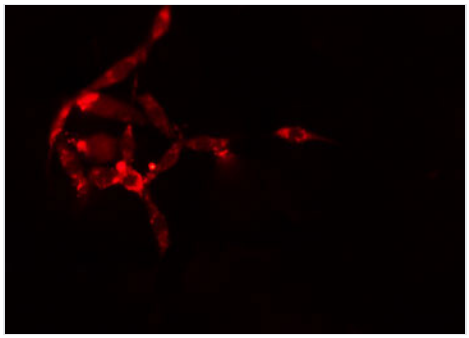
TCTP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

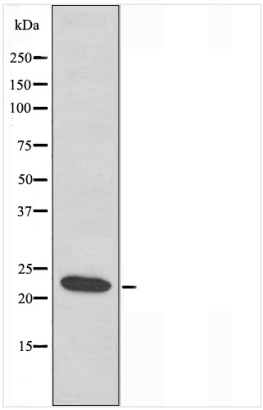
Product Name	TCTP, Polyclonal Antibody
Full Product Name	TCTP Antibody
Product Gene Name	anti-TCTP antibody
Product Synonym Gene Name	TPT1
Product Synonym Names	FLJ27337; Fortilin; Histamine releasing factor; Histamine-releasing factor; HRF; Immunoglobulin E-dependent; p02; p23; TCTP; TCTP_HUMAN; tpt1; Translationally controlled tumor protein; Translationally-controlled tumor protein; Tumor protein translationally controlled 1; tumor protein, translationally-controlled 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Peptide affinity purification
Concentration	~1mg/ml (lot specific)
Specificity	TCTP antibody detects endogenous levels of total TCTP
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	TCTP peptide (MBS9623270) is used for blocking the activity of TCTP antibody (MBS9604553)
Molecular Weight	24 KD
3D Structure	ModBase 3D Structure for P13693
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human TCTP, corresponding to a region within the internal amino acids.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TCTP antibody	Western Blot (WB), Immunohistochemisty (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-TCTP antibody	WB: 1:500-1:1000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 ELISA (peptide): 1:20000-1:40000 The optimal dilutions should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.
Related Product Information for anti-TCTP antibody	MBS9604553 is an antibody targeting TCTP. Also known as TCTP Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-TCTP 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.



Immunohistochemistry (IHC) of anti-TCTP antibody
MBS9604553 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescene (IF) of anti-TCTP antibody
MBS9604553 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



Western Blot (WB) of anti-TCTP antibody
Western blot analysis of extracts from HepG2 cells using TCTP antibody.

ADDITIONAL DETAILS

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

NCBI GI #	555943820
NCBI GeneID	7178
NCBI Accession #	NP_001273202.1
UniProt Primary Accession #	P13693
UniProt Secondary Accession #	Q6YLS2; Q7Z4J4; Q8TBK7; Q96EE2; Q9UC70; B2R7E5
UniProt Related Accession #	P13693
GenBank Nucleotide #	NM_001286273.1
NCBI Official Full Name	translationally-controlled tumor protein isoform 3
NCBI Official Synonym Full Names	tumor protein, translationally-controlled 1
NCBI Official Symbol	TPT1
NCBI Official Synonym Symbols	HRF; p02; p23; TCTP
UniProt Protein Name	Translationally-controlled tumor protein
UniProt Synonym Protein Names	Fortilin; Histamine-releasing factor; HRF; p23
Protein Family	Translationally-controlled tumor protein

UniProt Gene Name	TPT1
UniProt Synonym Gene Names	TCTP; HRF
NCBI Protein Information	translationally-controlled tumor protein
NCBI Summary for TCTP	This gene encodes a protein that is a regulator of cellular growth and proliferation. Its mRNA is highly structured and contains an oligopyrimidine tract (5'-TOP) in its 5' untranslated region that functions to repress its translation under quiescent conditions. The encoded protein is involved in a variety of cellular pathways, including apoptosis, protein synthesis and cell division. It binds to and stabilizes microtubules, and removal of this protein through phosphorylation is required for progression through mitotic and meiotic cell divisions. This gene is known to play a role in carcinogenesis, and is upregulated in some cancer cells. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]
UniProt Comments for TCTP	Involved in calcium binding and microtubule stabilization.
Research Articles on TCTP	**1.** The biological effects of Na,K-ATPase and TCTP interaction are reviewed.
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.
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