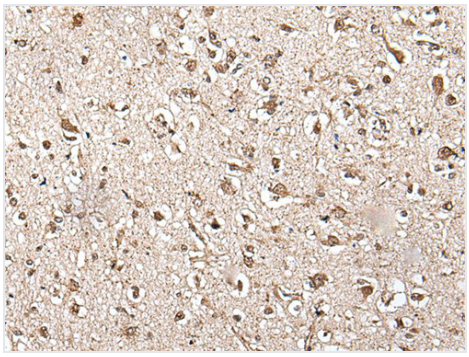
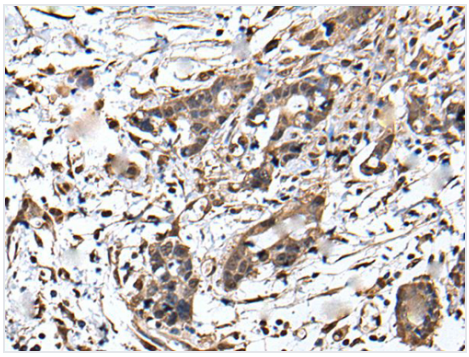
ZFP36 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZFP36, Polyclonal Antibody
Full Product Name	ZFP36 Antibody
Product Gene Name	anti-ZFP36 antibody
Product Synonym Names	TTP; G0S24; GOS24; TIS11; NUP475; zfp-36; RNF162A
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	1.3mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total ZFP36 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	34,003 Da
OMIM	M92843 mRNA
3D Structure	ModBase 3D Structure for P26651
Immunogen	Fusion protein of human ZFP36
Immunogen Type	Protein
Product Categories/Family for anti-ZFP36 antibody	Total protein Ab
Applications Tested/Suitable for anti-ZFP36 antibody	Immunohistochemistry (IHC)
Application Notes for anti-ZFP36 antibody	Immunohistochemistry: 1: 100-200
Related Product Information for anti-ZFP36 antibody	mRNA-binding protein involved in post-transcriptional regulation of AU-rich element (ARE)-containing mRNAs. Acts by specifically binding ARE-containing mRNAs and promoting their degradation. Recruits deadenylase CNOT7 (and probably the CCR4-NOT complex) via association with CNOT1. Plays a key role in the post-transcriptional regulation of tumor necrosis factor (TNF). Plays a key role in the post-transcriptional regulation of tumor necrosis factor (TNF).
Other Notes	Small volumes of anti-ZFP36 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 ZFP36 purchase	MBS9416986 is an antibody targeting ZFP36. Also known as ZFP36 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-ZFP36 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ZFP36 Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)



Immunohistochemistry (IHC) of anti-ZFP36 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ZFP36 Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZFP36. It may not necessarily be applicable to this product.

NCBI GI #	393539038
NCBI GeneID	7538
NCBI Accession #	NP_003398.2
UniProt Primary Accession #	P26651
UniProt Secondary Accession #	B2RA54
UniProt Related Accession #	P26651
GenBank Nucleotide #	NM_003407.3
NCBI Official Full Name	mRNA decay activator protein ZFP36
NCBI Official Synonym Full Names	ZFP36 ring finger protein
NCBI Official Symbol	ZFP36
NCBI Official Synonym Symbols	TTP; G0S24; GOS24; TIS11; NUP475; zfp-36; RNF162A
UniProt Protein Name	mRNA decay activator protein ZFP36
UniProt Synonym Protein Names	G0/G1 switch regulatory protein 24; Growth factor-inducible nuclear protein NUP475
Protein Family	mRNA decay activator protein
UniProt Gene Name	ZFP36
UniProt Synonym Gene Names	Zfp-36
UniProt Entry Name	TTP_HUMAN
NCBI Protein Information	mRNA decay activator protein ZFP36

UniProt Comments for ZFP36	TTP: a CCCH zinc finger protein that has anti-inflammatory and arthritis suppressor activity. Regulates inflammatory responses at the post-transcriptional level. TTP deficiency in mice causes a severe inflammatory syndrome that includes autoimmunity, myeloid hyperplasia, and erosive arthritis. Binds to and destabilizes mRNA molecules with AU-rich elements (AREs). Has a high affinity for UUAUUUAUU mRNA sequences. Destabilizes tumor necrosis factor-alpha (TNF??), interleukin 2 (IL2), granulocyte-macrophage colony-stimulating factor (GM-CSF), transcription factor E47, and cyclooxygenase 2 (COX2) mRNAs. TNF?? and GM-CSF mRNAs are stabilized in TTP-deficient mice, causing a severe inflammatory syndrome. Conversely, high levels of TTP reduce inflammatory responses. TTP is a very low abundance protein that is rapidly induced by insulin, glucocorticoids, lipopolysaccharide (LPS), fetal calf serum, zinc, herpes simplex virus 1, green tea, and cinnamon. Once induced, the TTP protein is relatively stable. Has been experimentaly shown to be able to bind zinc. TTP is extensively phosphorylated. Protein type: DNA-binding; RNA-binding Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: CCR4-NOT complex; cytoplasm; cytosol; exosome (RNase complex); nucleus; ribonucleoprotein complex; stress granule Molecular Function: AU-rich element binding; C-C chemokine binding; enzyme binding; heat shock protein binding; mRNA 3'-UTR binding; mRNA binding; protein binding; protein kinase binding; single-stranded RNA binding Biological Process: MAPKKK cascade; miRNA-mediated gene silencing, negative regulation of translation; mRNA catabolic process; mRNA catabolic process, deadenylation-dependent decay; mRNA catabolic process, deadenylation-independent decay; mRNA transport; negative regulation of erythrocyte differentiation; negative regulation of interleukin-2 biosynthetic process; negative regulation of transcription from RNA polymerase II promoter; negative regulation of viral transcription; poly(A) tail shortening; positive regulation of fat cell differentiation; regulation of keratinocyte differentiation; regulation of mRNA stability; regulation of tumor necrosis factor production; response to starvation; response to wounding
Research Articles on ZFP36	**1.** PP2A activators boost the anti-inflammatory function of TTP and have implications for future pharmacotherapeutic strategies to combat inflammation in respiratory disease.
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/zfp36/9416986