

Product datasheet

Anti-Tristetraprolin/TTP antibody [OTI8B5] ab124024

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Overview

Product name	Anti-Tristetraprolin/TTP antibody [OTI8B5]
Description	Mouse monoclonal [OTI8B5] to Tristetraprolin/TTP
Host species	Mouse
Tested applications	Suitable for: IHC-P, ICC/IF, Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human, African green monkey
Immunogen	Recombinant full length protein corresponding to Human Tristetraprolin/TTP. Database link: NP_003398
Positive control	HEK293T cells transfected with pCMV6-ENTRY Tristetraprolin/TTP cDNA; Human colon, colon adenocarcinoma, ovary, endometrium and prostate tissues; COS7 cells transiently transfected by pCMV6-ENTRY Tristetraprolin/TTP.
General notes	<p>Dilute in PBS (pH7.3) before use.</p> <p>The clone number has been updated from 8B5 to OTI8B5, both clone numbers name the same antibody clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
Purity	Protein G purified
Purification notes	Purified from TCS

Clonality	Monoclonal
Clone number	OT18B5
Isotype	IgG1

Applications

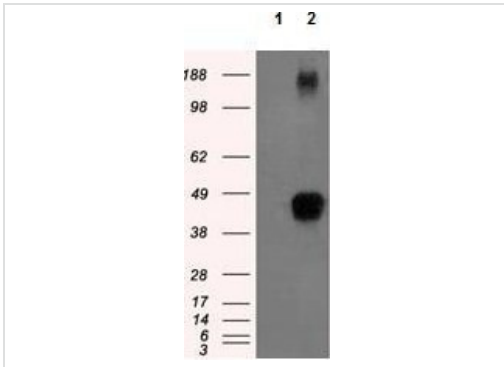
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124024 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50.
ICC/IF		1/100.
Flow Cyt (Intra)		1/100. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		1/1 - 1/1000.

Target

Function	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).
Sequence similarities	Contains 2 C3H1-type zinc fingers.
Post-translational modifications	Phosphorylation by MAPKAPK2 increases its stability and binding to 14-3-3 proteins, leading to reduce its ARE affinity leading to inhibition of degradation of ARE-containing transcripts. Phosphorylated upon mitogen stimulation.
Cellular localization	Nucleus. Cytoplasm. Localizes to stress granules upon energy starvation. phosphorylation by MAPKAPK2 promotes exclusion from stress granules.

Images



Western blot - Anti-Tristetraprolin/TTP antibody [OTI8B5] (ab124024)

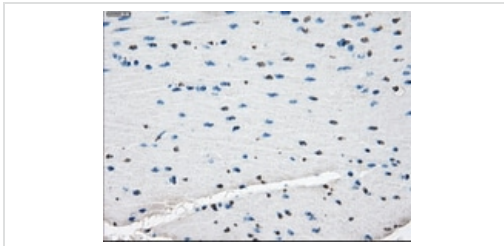
All lanes : Anti-Tristetraprolin/TTP antibody [OTI8B5] (ab124024)

Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control cDNA

Lane 2 : HEK293T cells transfected with pCMV6-ENTRY Tristetraprolin/TTP cDNA

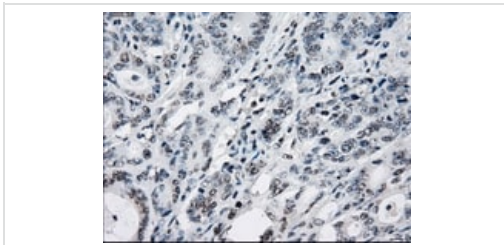
Lysates/proteins at 5 µg per lane.

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC202049)



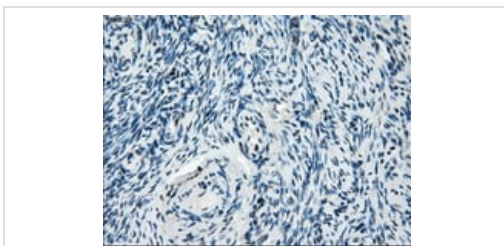
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tristetraprolin/TTP antibody [OTI8B5] (ab124024)

ab124024, at 1/50, staining Tristetraprolin/TTP in paraffin embedded Human colon tissue by Immunohistochemistry.



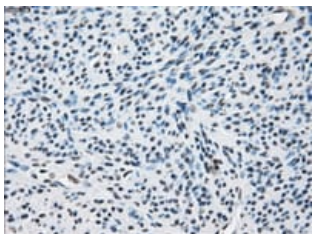
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tristetraprolin/TTP antibody [OTI8B5] (ab124024)

ab124024, at 1/50, staining Tristetraprolin/TTP in paraffin embedded Human colon adenocarcinoma tissue by Immunohistochemistry.



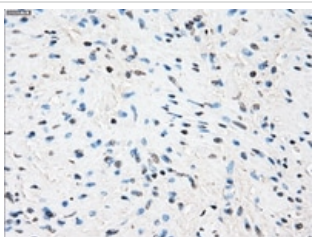
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tristetraprolin/TTP antibody [OTI8B5] (ab124024)

ab124024, at 1/50, staining Tristetraprolin/TTP in paraffin embedded Human ovary tissue by Immunohistochemistry.



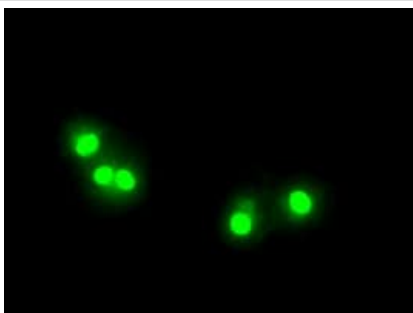
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tristetraprolin/TTP antibody [OT18B5] (ab124024)

ab124024, at 1/50, staining Tristetraprolin/TTP in paraffin embedded Human endometrium tissue by Immunohistochemistry.



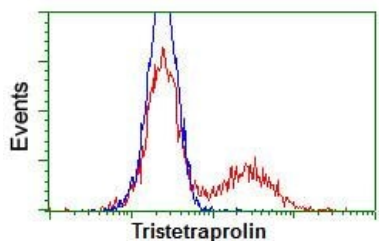
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tristetraprolin/TTP antibody [OT18B5] (ab124024)

ab124024, at 1/50, staining Tristetraprolin/TTP in paraffin embedded Human prostate tissue by Immunohistochemistry.



Immunocytochemistry/ Immunofluorescence - Anti-Tristetraprolin/TTP antibody [OT18B5] (ab124024)

ab124024, at 1/100, staining Tristetraprolin/TTP in COS7 cells transiently transfected with pCMV6-ENTRY Tristetraprolin/TTP by Immunofluorescence.



Flow Cytometry (Intracellular) - Anti-Tristetraprolin/TTP antibody [OT18B5] (ab124024)

ab124024 at 1/100 dilution staining Tristetraprolin/TTP in HEK293T cells transfected with either pCMV6-ENTRY Tristetraprolin/TTP (Red) or empty vector control plasmid (Blue) by Flow Cytometry (Intracellular).

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