

Product datasheet

Human Tristetraprolin peptide ab111664

Overview

Product name Human Tristetraprolin peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence PLAPRLGPELSPSPSTPTATSTTPSRYSKTELCRTFSESGRCRYGAKCQFA

Specifications

Our [Abpromise guarantee](#) covers the use of **ab111664** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking - Blocking peptide for Anti-Tristetraprolin antibody ([ab33058](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

General Info

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.

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