

DCP1A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17207a**Specification**

DCP1A Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O9NPI6](#)
Other Accession [NP_060873.4](#)

DCP1A Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 55802

Other Names

mRNA-decapping enzyme 1A, 3---, Smad4-interacting transcriptional co-activator, Transcription factor SMIF, DCP1A, SMIF

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DCP1A Antibody (N-term) Blocking Peptide - Protein Information

Name DCP1A

Synonyms SMIF

Function

Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay (PubMed:12417715). Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'- phosphorylated mRNA fragment and 7m-GDP (PubMed:12417715). Contributes to the transactivation of target genes after stimulation by TGFB1 (PubMed:11836524). Essential for embryonic development (PubMed:33813271).

Cellular Location

Cytoplasm, P-body. Nucleus. Note=Co- localizes with NANOS3 in the processing bodies (By similarity) Predominantly cytoplasmic, in processing bodies (PB) (PubMed:16364915) Nuclear, after TGFB1 treatment. Translocation to the nucleus depends on interaction with SMAD4

(PubMed:11836524) {ECO:0000250|UniProtKB:Q91YD3, ECO:0000269|PubMed:11836524, ECO:0000269|PubMed:16364915}

Tissue Location

Detected in heart, brain, placenta, lung, skeletal muscle, liver, kidney and pancreas.

DCP1A Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DCP1A Antibody (N-term) Blocking Peptide - Images**DCP1A Antibody (N-term) Blocking Peptide - Background**

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