

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

Primary Accession [Q9NPI6](#)
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. Removes
the 7-methyl guanine cap structure from
mRNA molecules, yielding a

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

Necessary for the degradation of mRNAs, both
in normal mRNA turnover and in
nonsense-mediated mRNA decay. Removes the
7-methyl guanine cap structure from mRNA
molecules, yielding a 5'-phosphorylated mRNA
fragment and 7m-GDP. Contributes to the
transactivation of target genes after
stimulation by TGFβ1.

5'-phosphorylated mRNA fragment and 7m-GDP. Contributes to the transactivation of target genes after stimulation by TGFB1.

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](#)