



## DCP1A Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP17207a

### **Specification**

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

Primary Accession <u>O9NPI6</u> Other Accession <u>NP 060873.4</u>

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

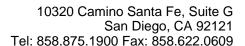
Synonyms SMIF

## **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 TGFB1.





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=Colocalizes 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