



Anti-DCP1A (aa 186-285) polyclonal antibody (DPAB-DC2444)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | Decapping is a key step in general and regulated mRNA decay. The protein encoded by this gene is a decapping enzyme. This protein and another decapping enzyme form a decapping complex, which interacts with the nonsense-mediated decay factor hUpf1 and may be recruited to mRNAs containing premature termination codons. This protein also participates in the TGF-beta signaling pathway. Alternative splicing of this gene results in multiple transcript variants. |
| Immunogen | DCP1A (NP_060873, 186 a.a. ~ 285 a.a) partial recombinant protein with GST tag. The sequence is STQLSNLGSTETLEEMPSGSQDKSAPSGHKHLTVEELFGTSLPKEQPAVGLDSEEMERL PGDASQKEPNSFLPFPFEQLGGAPQSETLGVPSAAHHSVQ |
| Source/Host | Mouse |
| Species Reactivity | Human, Mouse |
| Conjugate | Unconjugated |
| Applications | WB (Cell lysate), WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | DCP1A decapping mRNA 1A [Homo sapiens (human)] |
| Official Symbol | DCP1A |
| Synonyms | DCP1A; decapping mRNA 1A; SMIF; SMAD4IP1; HSA275986; Nbla00360; mRNA-decapping enzyme 1A; decapping enzyme hDcp1a; transcription factor SMIF; DCP1 decapping enzyme homolog A; putative protein product of Nbla00360; Smad4-interacting transcriptional co-activator; |
| Entrez Gene ID | 55802 |
| Protein Refseq | NP_001277133 |
| UniProt ID | Q9NPI6 |
| Chromosome Location | 3p21.1 |
| Pathway | Butyrate Response Factor 1 (BRF1) destabilizes mRNA; Decapping complex; Gene Expression; RNA degradation |
| Function | hydrolase activity; identical protein binding; protein binding; |
