



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

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 STQLSNLGGSTETLEEMPSGSQDKSAPSGHKHLTVEELFGTSLPKEQPAVVGLDSEEMERL 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

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;