



# Anti-DCP2 monoclonal antibody (DCABH-11232)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	DCP2 is a key component of an mRNA-decapping complex required for removal of the 5-prime cap from mRNA prior to its degradation from the 5-prime end (Fenger-Gron et al., 2005 [PubMed 16364915]).
<b>Immunogen</b>	A synthetic peptide of human DCP2 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DCP2 DCP2 decapping enzyme homolog (S. cerevisiae) [ Homo sapiens ]</a>
<b>Official Symbol</b>	DCP2

<b>Synonyms</b>	DCP2; DCP2 decapping enzyme homolog ( <i>S. cerevisiae</i> ); mRNA-decapping enzyme 2; nudix (nucleoside diphosphate linked moiety X) type motif 20; NUDT20; hDpc; nudix (nucleoside diphosphate linked moiety X)-type motif 20; FLJ33245;
<b>Entrez Gene ID</b>	<a href="#">167227</a>
<b>Protein Refseq</b>	<a href="#">NP_001229306</a>
<b>UniProt ID</b>	<a href="#">Q8IU60</a>
<b>Chromosome Location</b>	5q22
<b>Pathway</b>	Activation of Genes by ATF4, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Decapping complex, organism-specific biosystem; Decapping complex, conserved biosystem; Destabilization of mRNA by Butyrate Response Factor 1 (BRF1), organism-specific biosystem; Destabilization of mRNA by KSRP, organism-specific biosystem; Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem;
<b>Function</b>	RNA binding; exoribonuclease activity, producing 5-phosphomonoesters; hydrolase activity; manganese ion binding; metal ion binding; protein binding;