

EDC3 (D2T7U) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	62	Rabbit IgG	#Q96F86	80153
Product Usage Information	Application		Dilution			
	Western Blotting		1:1000			
	Immunoprecipitation		1:50			
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. <i>Do not aliquot the antibody.</i>					
Specificity/Sensitivity	EDC3 (D2T7U) Rabbit mAb recognizes endogenous levels of total EDC3 protein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly322 of human EDC3 protein.					
Background	Enhancer of mRNA decapping 3 (EDC3) was originally identified from <i>Saccharomyces cerevisiae</i> as a protein essential to mRNA decapping prior to 5'-3' mRNA degradation (1). In human cells, EDC3 is found within cytoplasmic processing (P) bodies as part of complexes that include DCP1, DCP2, EDC4/Ge-1, and DDX6/RCK (2). EDC3 and DCP2 interact with TTP, an activator of AU-rich-element (ARE)-mediated decay pathway, to promote decapping and degradation of ARE mRNA (2). In addition, research studies indicate that EDC3 may play a role in the premature termination of RNA polymerase II transcription (3).					
Background References	<ol style="list-style-type: none"> 1. Kshirsagar, M. and Parker, R. (2004) <i>Genetics</i> 166, 729-39. 2. Fenger-Grøn, M. et al. (2005) <i>Mol Cell</i> 20, 905-15. 3. Brannan, K. et al. (2012) <i>Mol Cell</i> 46, 311-24. 					

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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