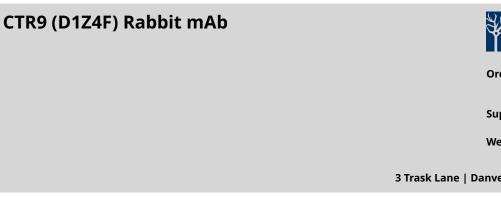
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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 140	Source/Isotype: Rabbit IgG	UniProt ID: #Q6PD62	Entrez-Gene Id: 9646		
Product Usage Information		Application Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 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. Do not aliquot the antibody.						
Specificity/Sen	sitivity	CTR9 (D1Z4F) Rabbit mAb recognizes endogenous levels of total CTR9 protein.						
Species predict based on 100% homology	ted to react sequence	Hamster, Chicken, Xenopus, Zebrafish, Bovine, Dog, Pig						
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human CTR9 protein.						
Background		The PAF (RNA polymerase II (RNAPII) associated factor) complex was initially identified in yeast and is comprised of subunits PAF1, Leo1, Ctr9, Cdc73, RTF1 and Ski8 (1,2). The PAF complex plays an important role in transcription initiation and elongation by RNAPII by regulating the establishment of proper histone modifications such as histone H2B ubiquitination and the recruitment of the histone chaperone FACT (facilitates chromatin transcription) (3-5). The PAF complex also plays a role in mRNA processing and maturation by interacting with and recruiting the cleavage and polyadenylation specificity factor and cleavage stimulation factor complexes via the Cdc73 subunit (6,7). In addition, the Ski8 subunit of the PAF complex is part of the hSKi complex that regulates RNA surveillance, suggesting an important function of the complex in coordinating events associated with proper RNA maturation during transcription (1,5).						
Background Re	ackground References 1. Jaehning, J.A. (2010) Biochim Biophys Acta 1799, 379-88.   2. Chaudhary, K. et al. (2007) Oncogene 26, 7499-507.   3. Pavri, R. et al. (2006) Cell 125, 703-17.   4. Rozenblatt-Rosen, O. et al. (2005) Mol Cell Biol 25, 612-20.   5. Zhu, B. et al. (2005) Genes Dev 19, 1668-73.   6. Rozenblatt-Rosen, O. et al. (2009) Proc Natl Acad Sci U S A 106, 755-60.   7. Farber, L.J. et al. (2010) Mol Carcinog 49, 215-23.							
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot B	Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications K	ey	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivit	ty Key	H: Human M: Mouse R: Rat						
Trademarks ar	nd Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.						
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