e at -20C	THOC4/ALY (D3R4R) Rabbit mAb		Cell Signaling	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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For Research Use Only. Not for Use in Diagnostic Procedures.

	tivity: Sensitivity: R Mk Endogenous	MW (kDa): 27	Source/Isotype: Rabbit IgG	UniProt ID: #Q86V81	Entrez-Gene Id: 10189		
Product Usage	Application				Dilution		
Information	Western Blotting				1:1000		
	Immunoprecipitation				1:50		
	Immunofluorescence (I	mmunocytochem	istry)		1:400		
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 / Sensitivity	THOC4/ALY (D3R4R) Rabbit mAb recognizes endogenous levels of total THOC4/ALY protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala192 of human THOC4/ALY protein.					
Background	in the form of an mRNA- THOC4/ALY, via its inter transcription-export com the heterodimer that targ	mRNA export is a process that is tightly coupled to mRNA splicing (1-4). Splicing and packaging of mRNAs in the form of an mRNA-protein complex (mRNP) leads to the recruitment of the mRNA export adaptor THOC4/ALY, via its interaction with the splicing factor UAP56, forming a large complex termed the transcription-export complex (TREX) (1,2,5). THOC4/ALY then directly interacts with NXF1/TAP, a part of the heterodimer that targets the mRNP to the nuclear pore complex, resulting in the shuttling of mRNP out of the nucleus and into the cytoplasm (1-3,6).					
Background References	 Katahira, J. (2012) Bio Siddiqui, N. and Borde Reed, R. and Magni, H Masuda, S. et al. (200) Luo, M.L. et al. (2001) Kang, Y. and Cullen, E 	en, K.L. (2012) W K. (2001) Nat Ce 5) Genes Dev 19 Nature 413, 644	/iley Interdiscip Rev RN // <i>Biol</i> 3, E201-4. 9, 1512-7. I-7.	IA 3, 13-25.			
Species Reactivity	Species reactivity is deter	rmined by testing	in at least one approve	ed application (e.g., w	vestern 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	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity Key	X: Xenopus Z: zebrafish	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 					
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THOC4/ALY (D3R4R) Rabbit mAb (#12655) Datasheet Without Images Cell Signaling Technology

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