

THOC4/ALY Antibody



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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 27	Source/Isotype: Rabbit	UniProt ID: #Q86V81	Entrez-Gene Id: 10189
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		THOC4/ALY Antibody recognizes endogenous levels of total THOC4/ALY protein.				
Species predict based on 100% homology		Hamster, Xenopus, Ze	brafish, Bovine, Do	g, Horse, Guinea Pig		
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala245 of human THOC4/ALY protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		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 Re	eferences	1. Katahira, J. (2012) <i>Biochim Biophys Acta</i> 1819, 507-13. 2. Siddiqui, N. and Borden, K.L. (2012) Wiley Interdiscip Rev RNA 3, 13-25. 3. Reed, R. and Magni, K. (2001) <i>Nat Cell Biol</i> 3, E201-4. 4. Masuda, S. et al. (2005) <i>Genes Dev</i> 19, 1512-7. 5. Luo, M.L. et al. (2001) <i>Nature</i> 413, 644-7. 6. Kang, Y. and Cullen, B.R. (1999) <i>Genes Dev</i> 13, 1126-39.				

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

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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