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#50844**MEX3C (D5T2Z) Rabbit mAb**

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Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit IgG	UniProt ID: #Q5U5Q3	Entrez-Gene Id: 51320
Product Usage Information		Application Western Blotting		Dilution 1:1000		
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		MEX3C (D5T2Z) Rabbit mAb recognizes endogenous levels of total MEX3C protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala54 of human MEX3C protein.				
Background		<p>MEX3C is an RNA-binding E3 ubiquitin ligase implicated in a diverse set of biological functions. Along with PIGN and ZNF516, MEX3C has been identified as a suppressor of chromosome instability (CIN), which drives intratumor heterogeneity and has been associated with poor prognosis in colon cancer. Silencing of the <i>Mex3c</i> gene induces chromosome instability through replication stress/impaired replication fork progression (1). In mice, absence of the <i>Mex3c</i> gene causes growth retardation and reduced insulin-like growth factor 1 (IGF1) expression (2). Researchers have shown that murine MEX3C plays a role in controlling energy expenditure, physical activity and degree of adiposity (3,4). In the immune system, MEX3C is involved in post-transcriptional regulation of HLA-A2 (5), and plays a role in eliciting antiviral response (6).</p>				
Background References		<p>1. Burrell, R.A. et al. (2013) <i>Nature</i> 494, 492-6. 2. Jiao, Y. et al. (2012) <i>Mol Biol Cell</i> 23, 1404-13. 3. Jiao, Y. et al. (2012) <i>Mol Cell Biol</i> 32, 4350-62. 4. Han, C. et al. (2014) <i>J Endocrinol</i> 221, 457-68. 5. Cano, F. et al. (2012) <i>EMBO J</i> 31, 3596-606. 6. Kuniyoshi, K. et al. (2014) <i>Proc Natl Acad Sci U S A</i> 111, 5646-51.</p>				

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
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