

16391

METTL3 (D2I6O) Rabbit mAb



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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 70	Source/Isotype: Rabbit IgG	UniProt ID: #Q86U44	Entrez-Gene Id: 56339
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 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/Sensitivity		METTL3 (D2I6O) Rabbit mAb recognizes endogenous levels of total METTL3 protein.				
Species predicted to react based on 100% sequence homology		Hamster, Pig, Horse				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu297 of human METTL3 protein.				
Background		catalytic subunits of ar Methylation of adenos and stability, in additic the circadian clock, en meiosis and mouse fer subunit and METTL14 Wilms' tumor 1-associac accumulation of the co suggest a role for this it promotes growth, su	n N6-methyltransfe sine residues regula on to regulating pri abryonic stem cell s rtility (2,3). In this of functions as the ta ating protein (WTA omplex to nuclear s complex in cancer. urvival, and invasio mber of different c	and methyltransferase rase complex that meth tes mRNA splicing, proceedings many miRNA processing self-renewal, immune to complex, METTL3 function get recognition subunited functions as a regulate speckles, which are sites METTL3 expression is element of human lung cancer ancers and positively regal.	ylates adenosine re tessing, translation, , and is critical for p lerance, response to ns as the catalytic re by binding to RNA ory subunit and is re of RNA processing levated in lung adel cells (6). In addition	esidues in RNA (1). efficiency, editing proper regulation of covarious stimuli, methyltransferase (4). In addition, the required for (5). Several studies mocarcinoma where mon, WTAP is
Background References		1. Liu, J. et al. (2014) <i>Nat Chem Biol</i> 10, 93-5. 2. Yue, Y. et al. (2015) <i>Genes Dev</i> 29, 1343-55. 3. Wu, R. et al. (2016) <i>Mol Biotechnol</i> 58, 450-9. 4. Wang, X. et al. (2016) <i>Nature</i> 534, 575-8. 5. Ping, X.L. et al. (2014) <i>Cell Res</i> 24, 177-89. 6. Lin, S. et al. (2016) <i>Mol Cell</i> 62, 335-45. 7. Jin, D.I. et al. (2012) <i>Cancer Sci</i> 103, 2102-9. 8. Jo, H.J. et al. (2013) <i>J Gastroenterol</i> 48, 1271-82.				
Species Beastive	•.			s in at least one approve		

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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