MED12 Antibody

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

Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 240	Source: Rabbit	UniProt ID: #Q93074	Entrez-Gene Id: 9968
Product Usage Information	W	pplication /estern Blotting nmunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensit	ivity ME	ED12 Antibody recogn	izes endogenous l	evels of total MED1	2 protein.	
Species predicted react based on 100 sequence homolog	9%	umster, Bovine, Pig, Ho	orse			
Source / Purificatio	res	-	y terminus of hum	-	h a synthetic peptide con Antibodies are purified b	
Background	by fac rec tra 'ch enl arc ME this neg rep sub gen of ¹	acting as a molecular ctors (1). Mediator is re cruitment and stabiliza inscription post RNAPI promatin loops' that oc hancers and RNAPII to chitecture during active ED12 is part of the CD s module with the rest gative and positive regoress transcription by bunit can recruit the m nes in non-neuronal c	bridge between the ecruited to target g tion of the RNAPII II recruitment (1-5) cur as a result of in bound at the proxing transcription (6-8 K8 submodule of the of the Mediator co gulator of transcrip inhibiting the ability the thyltransferase C ells (11). MED12 a	e RNA polymerase enes by transcriptio transcription compl . The mediator com nateractions between nal promoter, and w). he Mediator comple omplex (1,9). The Cl tion depending on th y of Mediator to recr Ga to methylate his and the CDK8 modu	thought to facilitate trans II (RNAPII) machinery ar n factors and plays an es ex at promoters, as well plex also plays an import the transcription factor b orks to sustain proper ch ex and is required for the DK8 module has been sh he gene context. The CD uit RNAPII (10). In addition tone H3K9 to repress a s le can also positively reg , and p53-regulated gene	nd transcription ssential role in the as the activation of tant role in creating bound at distal aromatin stable interaction of nown to be both a iK8 module may on, the MED12 subset of neuronal ulate transcription
Background Refere	2. 3. 4. 5. \ 6. 7. 8. (9. 10. 11.	Taatjes, D.J. (2010) <i>Tr</i> Kornberg, R.D. (2005) Malik, S. and Roeder, Malik, S. et al. (2002) Wang, G. et al. (2005) Kagey, M.H. et al. (2005) Park, S.W. et al. (2005) Chen, Z. et al. (2011) Kim, S. et al. (2011) Kinuesel, M.T. et al. (2008) <i>I</i> Galbraith, M.D. et al. (Trends Biochem R.G. (2005) Trend Mol Cell Biol 22, 5 Mol Cell 17, 683- 10) Nature 467, 43 5) Mol Cell 19, 643 EMBO J 30, 2405 Biol Chem 281, 1- 009) Genes Dev 2 Mol Cell 31, 347-5	Sci 30, 235-9. Is Biochem Sci 30, 2 626-37. 94. 10-5. -53. -19. 4066-75. 3, 439-51. 9.	256-63.	

1/1/24, 10:17 AM	MED12 Antibody (#4529) Datasheet Without Images Cell Signaling Technology		
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	WB: Western Blotting IP: Immunoprecipitation		
Cross-Reactivity Key	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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