Revision 1

Store at -20C

#4529

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MED12 Antibody



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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 240	Source/Isotype: Rabbit	UniProt ID: #Q93074	Entrez-Gene Id: 9968
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 and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sens	sitivity	MED12 Antibody recognizes endogenous levels of total MED12 protein.				
Species predict based on 100% homology	ed to react sequence	Hamster, Bovine, Pig, H	orse			
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human MED12 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		The mediator complex of activation by acting as a transcription factors (1) essential role in the reco well as the activation of an important role in crea transcription factor bout to sustain proper chron MED12 is part of the CD interaction of this modu shown to be both a neg The CDK8 module may In addition, the MED12 repress a subset of neu positively regulate trans	a molecular bridge . Mediator is recru- ruitment and stab f transcription pos- eating 'chromatin le und at distal enhar natin architecture DK8 submodule of ule with the rest of jative and positive repress transcript subunit can recru ronal genes in no	between the RNA polyn ited to target genes by ilization of the RNAPII to t RNAPII recruitment (1- oops' that occur as a res icers and RNAPII bound during active transcript the Mediator complex a the Mediator complex regulator of transcription by inhibiting the abi it the methyltransferase n-neuronal cells (11). ME	merase II (RNAPII) r transcription factor ranscription comple 5). The mediator co- sult of interactions k l at the proximal pro- tion (6-8). and is required for the (1,9). The CDK8 more on depending on the lity of Mediator to r e G9a to methylate k ED12 and the CDK8	nachinery and s and plays an ex at promoters, as implex also plays between the bomoter and works the stable dule has been in gene context. ecruit RNAPII (10). histone H3K9 to module can also
Background Re	ferences	 p53-regulated genes up 1. Taatjes, D.J. (2010) <i>Tra</i> 2. Kornberg, R.D. (2005) 3. Malik, S. and Roeder, 4. Malik, S. et al. (2002) 5. Wang, G. et al. (2005) 6. Kagey, M.H. et al. (2005) 6. Kagey, M.H. et al. (2005) 8. Chen, Z. et al. (2011) 9. Kim, S. et al. (2006) <i>J</i> 10. Knuesel, M.T. et al. (2008) 12. Galbraith, M.D. et al 	oon UV-induced DI ends Biochem Sci 3 n Trends Biochem S R.G. (2005) Trends Mol Cell Biol 22, 5 Mol Cell 17, 683-9 Mol Cell 17, 683-9 Mol Cell 19, 643- EMBO J 30, 2405-1 Biol Chem 281, 144 2009) Genes Dev 2 Mol Cell 31, 347-5	NA damage (1,9,12). 35, 315-22. <i>Sci</i> 30, 235-9. <i>Biochem Sci</i> 30, 256-63 626-37. 94. 10-5. 53. 9. 066-75. 23, 439-51. 59.		
Species Reactiv	ity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For wester TBS, 0.1% Tween® 20 a	rn blots, incubate t 4°C with gentle s	membrane with diluted haking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X

Applications Key	W: Western Blotting IP: Immunoprecipitation		
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey		
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