## **HECTH9 (AX8D1) Mouse mAb**



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

Applications: W	Reactivity: H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 482	Source/Isotype: Mouse IgG1	UniProt ID: #Q7Z6Z7	Entrez-Gene Id: 10075	
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 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. Do not aliquot the antibody.					
Specificity/Sensitivity		HECTH9 (AX8D1) Mouse mAb recognizes endogenous levels of total HECTH9 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a recombinant protein specific to human HECTH9 protein.					
Background		Mule, and LASU1) is conceptorial proteins, and is involved and base excision repertured for the proteins. HECT Cdc 6 (7), and DNA porture for proteins for proteoson humans and p19 ARF stabilization of p53 and myc through K63-linked and induction of celluting (1,9). In addition, defer	ritical for the ubiqued in the regulation air, cellular prolifera at-like domains (AR rved BH3 domain, a H9 has been shown all degradation. The mice) binds to an induction of apolage, which is requirallar proliferation (9) ects in HECTH9 resu	Iligase HECTH9 (also kr tination and proteasom of a variety of cellular pation, differentiation, and D1 and ARLD2), a ubiquend a catalytic HECT dometo to polyubiquitinate p53 prough K48-mediated limetumor suppressor production dinhibits the uibiquitinates (1). HECTH9 has a led for recruitment of p3 HECTH9 is overexpressor tin mental retardation type 17 (MRX17) syndro	al degradation of n processes, including d apoptosis. HECTH uitin-associated (UB nain that facilitates of (1,2), Miz1 (3), N-W nkage, thereby targ otein ARF (known as ligase activity towalso been shown to p 800, activation of c-Ned in colon, lung, an syndromic X-linked	nany target g DNA replication g contains two A) domain, a WWE ubiquitination of lyc (4,5), Mcl-1 (6), eting these s p14 ARF in ard p53, resulting in polyubiquitinate c- Myc target genes, and breast cancer	
Background References		2. Yoon, S.Y. et al. (200 3. Yang, Y. et al. (2010 4. Zhao, X. et al. (2008 5. Zhao, X. et al. (2009 6. Zhong, Q. et al. (2007 7. Hall, J.R. et al. (2007 8. Parsons, J.L. et al. (2 9. Adhikary, S. et al. (2	hen, D. et al. (2005) <i>Cell</i> 121, 1071-83.  oon, S.Y. et al. (2005) <i>Biochem Biophys Res Commun</i> 326, 7-17.  ang, Y. et al. (2010) <i>Proc Natl Acad Sci U S A</i> 107, 13444-9.  hao, X. et al. (2008) <i>Nat Cell Biol</i> 10, 643-53.  hao, X. et al. (2009) <i>Dev Cell</i> 17, 210-21.  hong, Q. et al. (2005) <i>Cell</i> 121, 1085-95.  lall, J.R. et al. (2007) <i>Mol Biol Cell</i> 18, 3340-50.  arsons, J.L. et al. (2005) <i>Cell</i> 123, 409-21.  Froyen, G. et al. (2008) <i>Am J Hum Genet</i> 82, 432-43.				

**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 nonfat dry milk, 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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