

ARID1B/BAF250B (E9J4T) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, W-S, IP	Н М	Endogenous	250, 280	Rabbit IgG	#Q8NFD5	57492
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation			Dilution 1:1000 1:10 - 1:50 1:200	
Storage				i), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	'ml BSA, 50% glycer	ol and less than
Specificity/Sensitivity		ARID1B/BAF250B (E9J4T) Rabbit mAb recognizes endogenous levels of total ARID1B/BAF250B protein. This antibody does not cross-react with ARID1A/BAF250A protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala1320 of human ARID1B/BAF250B protein.				
Background		processes such as tran remodeling complex c BRG1 as the ATPase ca and changes the acces accessory subunits pla various transcription factors, s complex to target gen processes (1,6-9). ARID1B (A-T rich intera SWI/SNF complex. It has members of the comp dendritic arborization intellectual disability (1	ascription and DNA onsists of more that atalytic subunit. The sibility of crucial ready a scaffolding role actors and chroma such as nuclear receives for regulation of acting domain 1B), as 60% homology view, akin to Brg1 arin neuronal develo 11-13). Mutations in critical vulnerability	implexes play an essenti replication and repair (1 an 10 subunits and conta e activity of the ATPase s egulatory elements to the to maintain stability an tin (2-5). The interactions eptors, p53, Rb, BRCA1, a f gene activation, cell gro also known as BAF250B, with ARID1A/BAF250A, a and BRM (10). ARID1B play pment, and haploinsuffin a ARID1B have also been	,2). The SWI/SNF chains a single molecubunit disrupts histe chromatin. The action of the chains and molecubers between SWI/SNF and MyoD, facilitate with, cell cycle, and its a DNA-binding not the proteins are a role in synapseciency of ARID1B has shown in Coffin-Si	aromatin ale of either BRM or cone-DNA contacts ditional core and for interaction with subunits and erecruitment of the differentiation the mutually exclusive formation and as been reported in ris syndrome (14).
Background References		2. Becker, P.B. and Hör 3. Eberharter, A. and B 4. Bowman, G.D. (2010 5. Gangaraju, V.K. and 6. Lessard, J.A. and Cra 7. Morettini, S. et al. (200 9. Simone, C. (2006) J. (2006) J. (2006) 10. Wang, X. et al. (2011) 11. Ka, M. et al. (2016) 12. Halgren, C. et al. (2012) 14. Tsurusaki, Y. et al. (2012)	and Crabtree, G.R. (2010) <i>Nature</i> 463, 474-84. P.B. and Hörz, W. (2002) <i>Annu Rev Biochem</i> 71, 247-73. Inter, A. and Becker, P.B. (2004) <i>J Cell Sci</i> 117, 3707-11. In G.D. (2010) <i>Curr Opin Struct Biol</i> 20, 73-81. In J.A. and Bartholomew, B. (2007) <i>Mutat Res</i> 618, 3-17. In J.A. and Crabtree, G.R. (2010) <i>Annu Rev Cell Dev Biol</i> 26, 503-32. Inii, S. et al. (2008) <i>Front Biosci</i> 13, 5522-32. M. et al. (2008) <i>J Cell Biochem</i> 104, 1580-6. In J.A. and Crabtree, G.R. (2010) <i>Annu Rev Cell Dev Biol</i> 26, 503-32. In Let al. (2006) <i>J Cell Physiol</i> 207, 309-14. In J.A. and Crabtree, G.R. (2012) <i>J Neurosci</i> 36, 2723-42. In J.A. and Crabtree, G.R. (2012) <i>Clin Genet</i> 82, 248-55. In J. and Crabtree, G.R. (2012) <i>Nat Genet</i> 44, 376-8. In J. and G.R. (2014) <i>Nat Med</i> 20, 251-4.			

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 W-S: Simple Western™ IP: Immunoprecipitation

Cross-Reactivity Key H: Human M: Mouse

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