e at -20C	AKAP5 (D28G3) Rabbit mAb		Cell Signaling		
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For Research Use Onl	v Not for Use in	Diagnostic Procedures.
	y, NOUTOF OSC III	Diagnostici roccuares.

Applications: WB	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 79	Source/Isotype: Rabbit IgG	UniProt ID: #P24588	Entrez-Gene Id: 9495	
Product Usage Information		pplication /estern Blotting			Dilution 1:1000		
Storage			u u	7.5), 150 mM NaCl, 100 o not aliquot the antibody		erol and less than	
Specificity / Sensitivity		AKAP5 (D28G3) Rabbit mAb recognizes endogenous levels of total AKAP5 protein. This antibody does not cross-react with other AKAP family proteins.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg383 of human AKAP5 protein.					
Background	reç Be (RI adı etc AK to etc doi	gulatory subunits of F yond a common amp (α, RIIα, RIβ, or RIIβ) ditional signaling pro c.) or restricting AKAF (AP79) is predominal post-synaptic densiti zyme to the plasma i mains of AKAP5 hav	Protein Kinase A ( phipathic alpha he n, individual AKAP teins (phosphodie P to a specific sub ntly expressed in es (2-4). AKAP5 s membrane and si e been shown to	s their name implies, are PKA) thus localizing PK elix that is responsible for s contain additional don esterases, phosphatases ocellular location (1). AK neuronal tissues and ce specifically binds to the tes of cytoskeletal/memi interact with calmodulin - and Ca <sup>2+</sup> -sensing path	A activity to distinct re or recruiting the PKA re nains responsible for t s, cytoskeletal comport AP5 (also known as P Ils where it serves to regulatory subunit of P brane junctions (4-5). , PP2B, and calcineur	gions of the cell (1). egulatory subunit the recruitment of nents, other kinases, 275, AKAP75, or localize type II PKA PKAIIβ, anchoring the The other binding in suggesting that	
Background Refer	2. I 3. I 4. ( 5. ( 6. I 7. S	Schwartz, J.H. (2001 Bregman, D.B. et al. Hirsch, A.H. et al. (19 Carr, D.W. et al. (199 Glantz, S.B. et al. (19 Klauck, T.M. et al. (19 Sarkar, D. et al. (198 Coghlan, V.M. et al. (	(1991) J Biol Che 992) J Biol Chem 92) J Biol Chem 2 993) J Biol Chem 996) Science 271 4) J Biol Chem 25	267, 2131-4. 67, 16816-23. 268, 12796-804. , 1589-92. 59, 9840-6.			
Species Reactivity	Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buffer			tern blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, °C with gentle shaking, overnight.				
Applications Key	WE	3: Western Blotting					
Cross-Reactivity Key		: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster : Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse : Guinea Pig Rab: rabbit All: all species expected					
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## AKAP5 (D28G3) Rabbit mAb (#5671) Datasheet Without Images Cell Signaling Technology

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