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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 28	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y696	Entrez-Gene Id: 25932
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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Ser	ificity/Sensitivity CLIC4 (D2A7D) Rabbit mAb recognizes endogenous levels of total CLIC4 protein.					
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His111 of human CLIC4 protein.				
Background		Chloride intracellular ch found as both soluble a chloride ion channel ac protein superfamily and ion channels in that the determines their functi- numerous tissue types Chloride intracellular ch family. Expression of CL mediated apoptosis in s independent of NF-κB (adipocytes and blood v from the cytoplasm to t enhances TGF-β signali cells and its expression markedly elevated in th high stromal CLIC4 pro	nannel (CLIC) prot and membrane-bo tivity, they are stru d are likewise regu ey are found as bo on (3-6). Chloride and are involved i nannel 4 (CLIC4) is LIC4 is regulated b some cell types (6 8). Moreover, CLIC essel lumen form the nucleus in resp ng (14). In human is reduced in tum te adjacent stroma	eins belong to a family of bund forms (1). Although uctural homologs to mer ulated by redox status (2 th soluble and integral r intracellular channel pro n diverse biological func- a well-studied member by p53 and c-Myc, and CL 7). CLIC4 contributes to 4 regulates the maturat ation (9-12). Research str ponse to cellular stress (cancer tissues, CLIC4 is or epithelial tissues (15), a of multiple human can- te tumor invasiveness an	f highly conserved CLIC proteins have nbers of the glutat). CLIC proteins are nembrane forms, a teins are ubiquitou tions (1,2). of the chloride intr IC4 is required for TNF-α mediated ap ion of keratinocytes udies show that CLI 13). In addition, nu excluded from the corversely, CLIC4 cers. Researchers h d progression (16).	transport proteins e putative, selective hione-S-transferase distinct from other nd their form usly expressed in acellular channel p53 and c-Myc- poptosis s, differentiation of IC4 translocates clear CLIC4 nucleus of tumor expression is nave shown that
Background R	eferences	1. Littler, D.R. et al. (201 2. Oakley, A.J. (2005) <i>Cu</i> 3. Littler, D.R. et al. (200 4. Singh, H. and Ashley, 5. Suh, K.S. et al. (2004) 6. Fernández-Salas, E. e 7. Shiio, Y. et al. (2006) <i>J</i> 8. Suh, K.S. et al. (2005) 9. Kitamura, A. et al. (2007) 10. Bohman, S. et al. (2007) 11. Suh, K.S. et al. (2017) 12. Ulmasov, B. et al. (2017) 13. Malik, M. et al. (2007) 14. Shukla, A. et al. (2007) 16. Shukla, A. et al. (2017)	0) FEBS Lett 584, 2 nr Opin Struct Bio (5) FEBS J 272, 499 R.H. (2006) Bioph J Biol Chem 279, 4 et al. (2002) Mol Cel Biol Chem 281, 2 Cancer Res 65, 56 (01) Biochem Biop (05) J Biol Chem 2 7) J Cell Sci 120, 26 (009) Am J Pathol 1 (0) J Biol Chem 285 (09) Nat Cell Biol 11 7) Clin Cancer Res (13) Oncogene, [EF	2093-101. / 15, 716-23. 6-5007. <i>tys J</i> 90, 1628-38. 4632-41. <i>ell Biol</i> 22, 3610-20. 750-6. 52-71. <i>sbys Res Commun</i> 287, 4 80, 42397-404. 31-40. 74, 1084-96. , 23818-28. , 777-84. 13, 121-31. Pub ahead of print].	35-9.	
Species Reacti	vitv	Species reactivity is det	ermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For wester TBS, 0.1% Tween® 20 a	rn blots, incubate it 4°C with gentle	membrane with diluted shaking, overnight.	primary antibody i	n 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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