မ္မွန္ CLIC1 (D7D6H) Rabbit mAb





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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 22	Source/Isotype: Rabbit IgG	UniProt ID: #000299	Entrez-Gene Id: 1192
Product Usage Information Storage				s), 150 mM NaCl, 100 μg.	Dilution 1:1000 1:50 /ml BSA, 50% glycer	ol and less than
Specificity/Sen	sitivitv	0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. CLIC1 (D7D6H) Rabbit mAb recognizes endogenous levels of total CLIC1 protein.				
Source / Purific	-	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu234 of human CLIC1 protein.				rresponding to
Background		Chloride intracellular channel (CLIC) proteins belong to a family of highly conserved transport proteins found as both soluble and membrane-bound forms (1). Although CLIC proteins have putative, selective chloride ion channel activity, they are structural homologs to members of the glutathione-S-transferase protein superfamily and are likewise regulated by redox status (2). CLIC proteins are distinct from other ion channels in that they are found as both soluble and integral membrane forms, and their form determines their function (3-6). Chloride intracellular channel proteins are ubiquitously expressed in numerous tissue types and are involved in diverse biological functions (1,2). CLIC1 is a member of the CLIC protein family. It is ubiquitously expressed in many tissues and organs (7). CLIC1 is overexpressed in multiple tumor types and has been implicated in the proliferation, migration, and invasion of these tumors (8-11). In the central nervous system, CLIC1 protein expression is elevated upon amyloid β -peptide treatment in neonatal rat microglia. Inhibition of CLIC1 prevents neuronal apoptosis in neurons co-cultured with amyloid β -peptide treated microglia (12). Further studies indicate that CLIC1 translocates from the cytosol to the plasma membrane of microglia upon exposure to amyloid β -peptide, and contributes to the subsequent neurotoxicity through generation of superoxide anions (13). These discoveries implicate CLIC1 as a possible therapeutic target for Alzheimer's disease.				
Background Re	eferences	1. Littler, D.R. et al. (20 2. Oakley, A.J. (2005) C 3. Littler, D.R. et al. (20 4. Singh, H. and Ashley 5. Suh, K.S. et al. (2004) 6. Fernández-Salas, E. 7. Ulmasov, B. et al. (20 8. Wei, X. et al. (2015) J 9. Gurski, L.A. et al. (20 10. Ding, Q. et al. (2014) 11. Tian, Y. et al. (2014) 12. Novarino, G. et al. (20	<i>urr Opin Struct Bio</i> 05) <i>FEBS J</i> 272, 499 <i>y</i> , R.H. (2006) <i>Bioph</i> <i>y Biol Chem</i> 279, 4 et al. (2002) <i>Mol Ce</i> 007) <i>BMC Cell Biol</i> <i>Gastroenterol Hep</i> 015) <i>Mol Cancer Re</i> 5) <i>Tumour Biol</i> 36, <i>) Cancer Biother Ra</i> (2004) <i>J Neurosci 2</i> -	/ 15, 716-23. 6-5007. <i>ys J</i> 90, 1628-38. 4632-41. <i>ell Biol</i> 22, 3610-20. 3, 8. <i>patol</i> 30, 208-16. <i>s</i> 13, 273-80. 193-8. <i>adiopharm</i> 29, 339-44. 4, 5322-30.		
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For wester TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	1 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IF	?: Immunoprecipita	ation		
Cross-Reactivit	ty Key	H: Human M: Mouse R	t: Rat			

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