e at -20C	CLCN3 (D8Y5Q) Rabbit mAb				
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com		
13359		Support:	877-678-TECH (8324)		
133		Web:	info@cellsignal.com cellsignal.com		
#	31	Trask Lane Danvers Ma	ssachusetts 01923 USA		

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

Applications: WB, IP, IF-F	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 130-150	Source/Isotype: Rabbit IgG	UniProt ID: #P51790	Entrez-Gene Id: 1182		
Product Usage Information	A	pplication			Di	ilution		
mormation	W	estern Blotting			1:	1000		
	In	nmunoprecipitation			1:	50		
	In	nmunofluorescence (I	Frozen)		1:	100		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		CLCN3 (D8Y5Q) Rabbit mAb recognizes endogenous levels of total CLCN3 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human CLCN3 protein.						
Background	exc in t prc aci (2, sur exp	change across cell m he brain and is espe- otein localizes to endo dification and proper 3). CAMKII-mediated face targeting of the	embranes. This & cially abundant ir osomal compartn synaptic vesicle phosphorylation CLCN3 chloride urface of human g	-gated chloride channe 318 amino acid, multi-pa the olfactory bulb, hipp nents and synaptic vesi neurotransmitter loadin of CLCN3 regulates ch channel (4). Research s glioma cells, and that C (5).	ass membrane protein pocampus, and cerebe cles where it contributu g for GABAergic syna loride channel activity studies show abnorma	n is highly expressed ellum (1). CLCN3 es to vesicle ptic transmission y by regulating cell ally high CLCN3		
Background Refere	2. \$ 3. F 4. F	Kawasaki, M. et al. (1 Stobrawa, S.M. et al. Riazanski, V. et al. (2 Huang, P. et al. (2001 Cuddapah, V.A. and S	(2001) Neuron 2 011) Nat Neuros .) J Biol Chem 27	9, 185-96. ci 14, 487-94.	11188-96.			
Species Reactivity	Spe	cies reactivity is dete	rmined by testing	g in at least one approv	ed application (e.g., w	estern 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		WB: Western Blotting IP: Immunoprecipitation IF-F: Immunofluorescence (Frozen)						
Cross-Reactivity Key		H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected						
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CLCN3 (D8Y5Q) Rabbit mAb (#13359) Datasheet Without Images Cell Signaling Technology

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