-

e at -20C	RGS4 (D4V1P) Rabbit mAb	T C	Cell Signaling	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
29		Support:	877-678-TECH (8324)	
#15129		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers N	assachusetts 01923 USA	

Applications	Depativity	Consitivity	B #11A / /
For Research Use On	ly. Not for Use in	Diagnostic Proc	edures.

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit IgG	UniProt ID: #P49798	Entrez-Gene Id: 5999	
Product Usage Information	Ар	plication			Dilution		
mormation		estern Blotting			1:1000		
	Im	munoprecipitation			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 / Sensitiv	/ity RG	RGS4 (D4V1P) Rabbit mAb recognizes endogenous levels of total RGS4 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human RGS4 protein.					
Background	amp prot fund Reg hete GAI RG3 ago	Diltude and duration teins (1-3). Each RC ferential interactions ction (4). gulator of G-protein erotrimeric G-protein ctional specificity tow P activity (1). The R S4 is regulated by c	of G protein-cou SS has a distinct s with receptors, C signaling 4 (RGS n regulators. RGS wards G-protein-c GS4 protein shar pioid receptor-me DAMGO synthetic	are a family of about 40 oled receptor signaling v structure, expression pa 6 proteins, and other sig 4) is a small RGS (23 kt 44 contains a short amin oupled receptors, and a es activity at both G α q a ediated ubiquitination fol opioid peptide (7). RGS	via modulation of the G ttern, and regulation, r naling proteins, as we Da) that belongs to the o-terminus that may b a conserved RGS dom and Gαi/o proteins (5,6 lowing stimulation by	CTPase activity of G resulting in as a unique R4 subfamily of re responsible for its lain responsible for b). Degradation of opioid receptor	
Background Refere	2. T 3. N 4. T 5. X 6. B 7. V	raynor, J.R. and Ne leubig, R.R. and Sic erzi, D. et al. (2009) u, X. et al. (1999) <i>J</i> erman, D.M. et al. (ubig, R.R. (2005) lerovski, D.P. (20 Prog Mol Biol Tr Biol Chem 274, 3 (1996) Cell 86, 44 or, J.R. (2011) J E	5-52. Biol Chem 286, 7854-64	v 1, 187-97.		
Species Reactivity	Spec	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				% w/v BSA, 1X TBS,	
Applications Key	WB	: Western Blotting I	P: Immunoprecipi	tation			
Cross-Reactivity Ke	X : X	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					
Trademarks and Patents	All o	0 0 0		of Cell Signaling Techno neir respective owners. V	0,, .	demarks for more	
Limited Uses							

RGS4 (D4V1P) Rabbit mAb (#15129) Datasheet Without Images Cell Signaling Technology

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.