4037 store at -20C Secretagogin (D4V1Y) XP<sup>®</sup> Rabbit **Cell Signaling** mAb TECHNOLOGY® Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324)

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

	eactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 28	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #O76038	Entrez-Gene Id: 10590	
Product Usage	Ар	plication			D	vilution	
Information	We	Western Blotting			1:1000		
	Im	munoprecipitation			1	:50	
	Im	munohistochemistry	(Paraffin)		1	:3200	
	Im	munofluorescence (F	rozen)		1	:800	
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		Secretagogin (D4V1Y) $XP^{\circledast}$ Rabbit mAb recognizes endogenous levels of total secretagogin protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminus of human secretagogin protein.					
Background	caln prot act whe parv Sec caln insu met indu Inte and stud	nodulin, S-100, parva tein family (1). Calbin as an intracellular ca en neurons start to m valbumin, are expres retagogin (SCGN) is etinin (CALB2). The setinin (CALB2). The sulinomas, and shows dulla, stomach, small cate that the correspondent raction between secre DOC2A, suggests a dies examining secre	albumin, and trop din is expressed lcium buffering p igrate and differe sed later during a cytosolic calci secretagogin pro abundant pance intestine, and co onding protein in retagogin and ve possible role for tagogin expressi	families regulate the sec ponin C are members of in discrete neuronal po rotein. Most Purkinje ce entiate. In contrast, othe development and in par- um-binding protein with tein was isolated from p eatic expression and rec olon (3). Cloning and se- cludes six, EF-hand cal sicle trafficking proteins 'SCGN in neurotransmi on in fetal and developii ring, and neuronal deve	the low molecular we pulations within the Cl Ils express calbindin, r calcium buffering pro- allel with increasing ne homology to calbindin bancreatic islets of Lar duced expression in the quence analysis of the cium-binding domain t , including SNAP25, S tter and hormone rele- ng brains point to a rol	ight calcium-binding NS and is thought to which is expressed oteins, such as euronal activity (2). h-D28k (CALB1) and ngerhans and nyroid, adrenal e secretagogin cDNA tandem repeats (3). SNAP23, ARFGAP2, ase (4,5). Research	
Background Referenc	2. B 3. W 4. R 5. B	awasaki, H. et al. (19 astianelli, E. (2003) ( Vagner, L. et al. (2000 ogstam, A. et al. (2010) auer, M.C. et al. (2012) (	Cerebellum 2, 24 D) J Biol Chem 2 D7) Biochem J 4 L1) Mol Biosyst 7	12-62. 75, 24740-51. 01, 353-63. 7, 2196-204.			
Species Reactivity	Spec	cies reactivity is deter	mined by testing	in at least one approve	d application (e.g., we	estern blot).	
Western Blot Buffer		DRTANT: For westerr 5 Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,	
Applications Key		: Western Blotting IP : Immunofluorescene	• •	tation IHC-P: Immunohi	stochemistry (Paraffin	)	

1/1/24, 3:37 PM	, 3:37 PM Secretagogin (D4V1Y) XP® Rabbit mAb (#14037) Datasheet Without Images Cell Signaling Technology			
Cross-Reactivity K	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>			
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