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Applications: W, IF-F, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 5	Source/Isotype: Rabbit IgG	UniProt ID: #P06881	Entrez-Gene Id: 796	
Product Usage Information		Application Western Blotting Immunofluorescence Immunofluorescence	(Frozen) (Immunocytochem	istry)	Dil 1:10 1:20 1:10	u tion 000 00 - 1:400 600	
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.				ol and less than	
		For a carrier free (BSA and azide free) version of this product see product #69734.					
Specificity/Sens	itivity	CGRP (D5R8F) Rabbit mAb recognizes endogenous levels of total CGRP protein. Rat cross-reactivity is determined by Immunofluorescence.				ross-reactivity is	
Source / Purifica	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val114 of human CGRP protein.			orresponding to		
Background		Calcitonin gene-relate family of peptide horn through alternative sp and α-CGRP are produ CGRP protein (2). α-CG depending on the spe consists of the seven t transmembrane-span is expressed in the cer important physiologic a modulator of acetylc indicate that CGRP pep a key role in the physic migraine attacks, whice	d peptide (CGRP) is nones. The calcitoni blicing of mRNA trar uced from the CALC/ RP and β -CGRP sha cies (3). The CGRP p ransmembrane-spa ning RAMP1 proteir ntral and peripheral roles. Research stu choline receptor fun ptide is involved in f ology of migraine a ch can be ameliorate	a peptide of 37 amino a n gene (<i>CALCA</i>) encodes ascripts and precursor p A gene, while a second g re similar activities and eptide activates a heter anning calcitonin recepto and an intracellular rec nervous system in man dies demonstrate that C action at neuromuscular feeding (8) and inflamma ttacks. Specifically, CGRF ed through treatment w	cids that belongs to a number of tissue rotein cleavage (1). ene (<i>CALCB</i>) encod differ by three or fe por like receptor, the ceptor component mals, where it exh GRP is a potent vas junctions (7). Addit atory pain (9). CGRF peptide levels incr th CGRP antagonis	the calcitonin (CT) e-specific peptides Both calcitonin les the related β - ever residues complex that single protein (4,5). CGRP ibits several codilatator (6) and ional studies peptide also plays rease during acute its (10).	
Background Ref	erences	1. Rosenfeld, M.G. et a 2. Amara, S.G. et al. (19 3. Breimer, L.H. et al. (19 4. McLatchie, L.M. et a 5. Evans, B.N. et al. (20 6. Struthers, A.D. et al. 7. New, H.V. and Mudg 8. Lutz, T.A. et al. (1997) 9. Birklein, F. and Schn 10. Ho, T.W. et al. (2010)	I. (1983) Nature 304 985) Science 229, 10 1988) Biochem J 255 I. (1998) Nature 393 000) J Biol Chem 275 (1986) Clin Sci (Lon Je, A.W. (1986) Natu 7) Neurosci Lett 230 nelz, M. (2008) Neu 0) Nat Rev Neurol 6	I, 129-35. 194-7. 5, 377-90. 5, 333-9. 5, 31438-43. 10) 70, 389-93. 17 233, 809-11. 1, 159-62. 159-62. 159-82.			
Species Reactivi	ty	Species reactivity is de	etermined by testing	g in at least one approve	d application (e.g.,	western blot).	
Western Blot Bu	Iffer	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.					
Applications Key	y	W: Western Blotting IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)					
Cross-Reactivity	Кеу	H: Human M: Mouse R: Rat					

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