

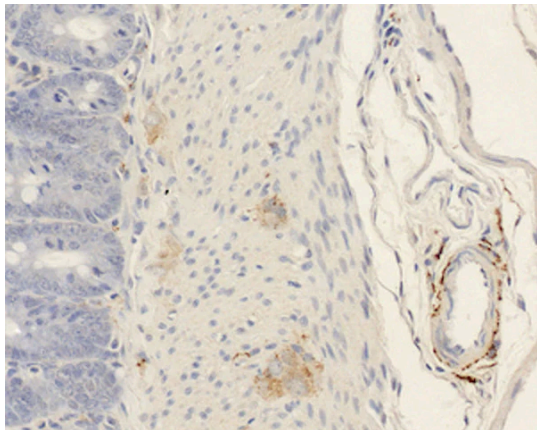
Anti-Alpha-Calcitonin Gene-Related Peptide (alpha-CGRP) Antibody

Product Details

Available Variants	100 uL (SKU:ABS 026-05-010) 400 uL (SKU:ABS 026-05-04) 1000 uL (SKU:ABS 026-05-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	5
Gene Name	CALCA
Host Species	Mouse
Concentration	1 mg/mL \pm 15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC
Dilution Ranges	IHC: 1:100
Species Reactivity	Human
Immunogen	Synthetic human α -CGRP
Specificity	ABS 026-05 binds human α -CGRP. Based on inhibition ELISA, ABS 026-05 shows full cross-reactivity with rat α -CGRP and about 50% cross-reactivity with human b-CGRP. There is no cross-reaction with human amylin. The epitope lies within residues 1-18 of human α -CGRP.
Molecular Weight	11 kDa (pro-CGRP), 5 kDa (active)
Storage	2-8°C without exposure to light

UniProt ID	<u>P06881</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
Application Details	ABS 026-05 binds free α -CGRP in solution. Based on inhibition ELISA, the affinity of ABS 026-05 is at least 24 times higher than that of ABS 026-04. ABS 026-05 (as capture antibody) forms a sandwich ELISA pair with ABS 026-04 (as biotinylated detection antibody) for measuring human α -CGRP, giving a detection limit of 0.13 nmol/L in an unoptimized buffer assay. ABS 026-05 works well in IHC on paraffin embedded tissue.
NCBI Gene ID	796

Product Images



Immunohistochemistry detection of Alpha-calcitonin gene-related peptide (α -CGRP) in rat tissue using Anti-Alpha-Calcitonin Gene-Related Peptide (alpha-CGRP) Antibody (Cat.ABS 026-05-010). Tissue was mounted and paraffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.ABS 026-05-010) was incubated with the sample.

Product Page URL: www.antibodiesinc.com/products/anti-alpha-calcitonin-gene-related-peptide-alpha-cgrp-antibody-5-abs-026-05



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