

Product Name: KD-Validated CGRP Receptor Component Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01385

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 16.9kDa

Antigen Information

Gene Name	CRCP
Alternative Names	CRCP; CGRP Receptor Component; CGRP-RCP; Calcitonin Gene-Related Peptide-Receptor Component Protein; POLR3I; RCP9; RCP; C17; DNA-Directed RNA Polymerase III Subunit RPC9; CGRP-Receptor Component Protein; RNA Polymerase III Subunit C9; CGRPRCP; POLR3J; HsC17; RPC9
Gene ID	27297.0
SwissProt ID	O75575
Immunogen	A synthesized peptide derived from human CRCP

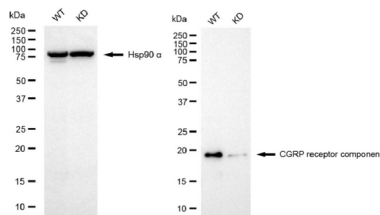
Background

This gene encodes a membrane protein that functions as part of a receptor complex for a small neuropeptide that increases intracellular cAMP levels. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

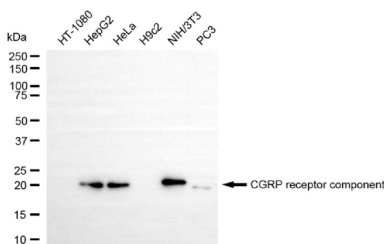
Research Area

Neuroscience, Signal Transduction, Cardiovascular

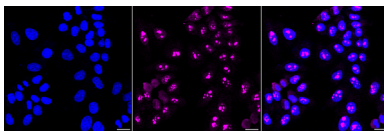
Image Data



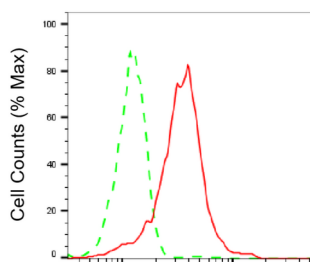
Western blotting analysis using CGRP receptor component antibody (KVA01385). CGRP receptor component expression in wild-type (WT) and CGRP receptor component (CRCP) knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CGRP receptor component antibody (KVA01385, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CGRP receptor component antibody (KVA01385). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CGRP receptor component antibody (KVA01385, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with CGRP receptor component antibody (KVA01385, 1:1,000). Nuclei were stained blue with DAPI; CGRP receptor component was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



CGRP receptor component-Alexa Fluor® 647

Flow cytometric analysis of CGRP receptor component expression in HepG2 cells using CGRP receptor component antibody (KVA01385, 1:2,000). Green, isotype control; red, CGRP receptor component.