Datasheet for ABIN238557

anti-CRHR1 antibody (AA 107-117)

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Overview

Quantity:	100 µg
Target:	CRHR1
Binding Specificity:	AA 107-117
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CRHR1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	CRHR1 / CRF-R (aa 107 - 117)
Immunogen:	Peptide with sequence C-NEEKKSKVHYH, from the internal region of the protein sequence according to NP_004373.2.
Sequence:	NEEKKSKVHY H
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	CRHR1
Alternative Name:	CRHR1 (CRHR1 Products)
Background:	CRHR1, CRF-R, corticotropin releasing hormone receptor 1, CRF1, CRFR1, CRH-R1h, CRHR, CRHR1f, corticotropin releasing hormone receptor variant 1h, seven transmembrane helix receptor
Gene ID:	1394, 12921, 58959
NCBI Accession:	NP_004373
Pathways:	Hormone Transport, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Feeding Behaviour, Negative Regulation of Transporter Activity

Application Details

Application Notes:	Western Blot: Approx 60 kDa band observed in Human Brain (Cerebellum), Colon, Rat Brain and Mouse spinal cord lysates (calculated MW of 47.7 kDa according to NP_004373.2). The observed molecular weight corresponds to earlier findings in literature with di Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	**Immunofluorescence:** Expression of the protein seen in the membranes, vesicles and cytoplasm of MCF7 and Neuro2a cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C

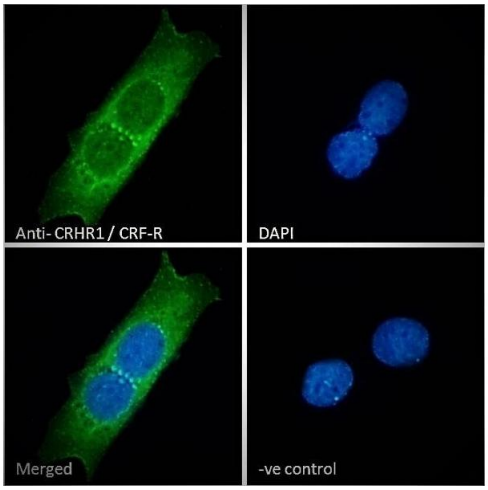
Handling

Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

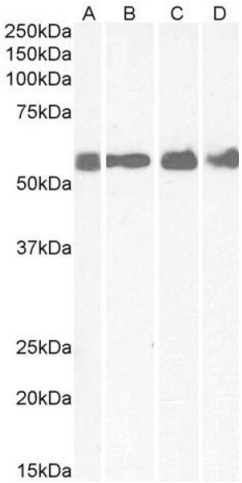
Product cited in:	Xie, Penzes, Srivastava: "Exchange protein directly activated by cAMP 2 is required for corticotropin-releasing hormone-mediated spine loss." in: **The European journal of neuroscience**, Vol. 50, Issue 7, pp. 3108-3114, (2020) (PubMed). Jüngling, Liu, Lesting, Coulon, Sosulina, Reinscheid, Pape: "Activation of neuropeptide S-expressing neurons in the locus coeruleus by corticotropin-releasing factor." in: **The Journal of physiology**, Vol. 590, Issue Pt 16, pp. 3701-17, (2012) (PubMed). Weerachayaphorn, Mennone, Soroka, Harry, Hagey, Kensler, Boyer: "Nuclear factor-E2-related factor 2 is a major determinant of bile acid homeostasis in the liver and intestine." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 302, Issue 9, pp. G925-36, (2012) (PubMed).

Images



Immunofluorescence

Image 1. ABIN238557 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing cytoplasmic and vesicle staining. The nuclear st



Western Blotting

Image 2. ABIN238557 (1µg/ml) staining of Human Colon (A), Cerebellum (B), Rat Brain (C) and Mouse spinal Cord (D) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.

Image 3. ABIN238557 (0.1 µg/mL) staining of human colon lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the product details page for more images. Overall 5 images are available for ABIN238557.