Datasheet for ABIN3021480

anti-CRH antibody (AA 25-194)

2 Images

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Overview

Quantity:	100 µL
Target:	CRH
Binding Specificity:	AA 25-194
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 25-194 of human CRH (NP_000747.1).
Sequence:	LLSRGPVPGA RQAPQHPQPL DFFQPPPQSE QPQQPQARPV LLRMGEEYFL RLGNLNKSPA APLSPASSLL AGGSGSRPSP EQATANFFRV LLQQLLLPRR SLDSPAALAE RGARNALGGH QEAPERERRS EEPPISLDLT FHLLREVLEM ARAEQLAQQA HSNRKLMEII
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CRH
Alternative Name:	CRH (CRH Products)
Background:	This gene encodes a member of the corticotropin-releasing factor family. The encoded preproprotein is proteolytically processed to generate the mature neuropeptide hormone. In response to stress, this hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus, binds to corticotropin releasing hormone receptors and stimulates the release of adrenocorticotropic hormone from the pituitary gland. Marked reduction in this protein has been observed in association with Alzheimer's disease. Autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, this protein is also synthesized in peripheral tissues, such as T lymphocytes, and is highly expressed in the placenta. In the placenta it is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of the hormone occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, this protein may act as a trigger for parturition.,CRH,CRF,CRH1,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Endocrine & Metabolism,Neuroscience,CRH
Molecular Weight:	21 kDa
Gene ID:	1392
UniProt:	P06850
Pathways:	Positive Regulation of Peptide Hormone Secretion, Hormone Activity, Negative Regulation of Hormone Secretion, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Feeding Behaviour

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

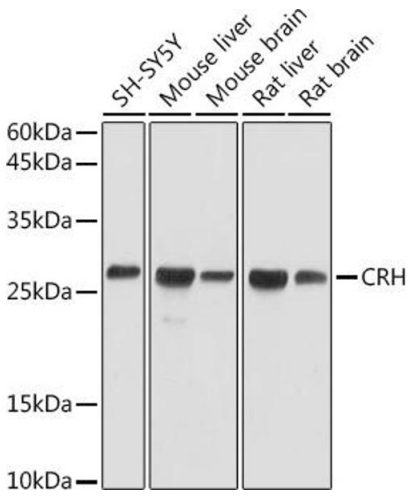
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide

Handling

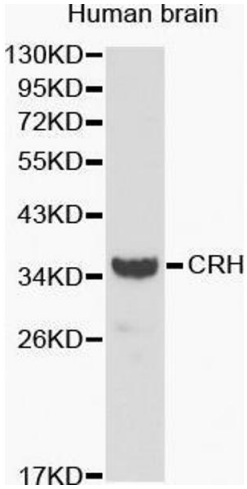
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CRH antibody (ABIN3021479, ABIN3021480, ABIN3021481 and ABIN6215115) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.



Western Blotting

Image 2.