

### Product datasheet

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# ARG43713 anti-CRH / Corticotropin Releasing Factor antibody

Package: 100 μl Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal antibody recognizes CRH / Corticotropin Releasing Factor

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CRH / Corticotropin Releasing Factor

Species Human

Immunogen Recombinant protein sequence corresponding to the a.a. 25-194 of Human CRF protein.

Conjugation Un-conjugated

Alternate Names CRH; Corticoliberin; Corticotropin-releasing hormone; CRF; CRH1; Corticotropin-releasing factor

#### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	25-30 kDa	

#### **Properties**

Form Liquid

**Purification** Affinity purification with immunogen.

Buffer PBS (pH7.3), 0.02% Sodium azide and 50% Glycerol

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol CRH

Gene Full Name corticotropin releasing hormone

Background Corticotropin-releasing hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus

in response to stress. Marked reduction in this protein has been observed in association with Alzheimer disease and 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. [provided by RefSeq, Apr 2010]

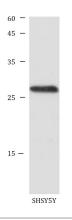
Function This hormone from hypothalamus regulates the release of corticotropin from pituitary gland. [UniProt]

Calculated Mw 21.4 kDa

PTM Amidation, Cleavage on pair of basic residues

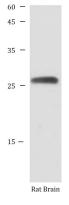
Cellular Localization Secreted. [UniProt]

#### **Images**



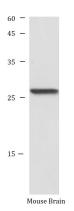
### ARG43713 anti-CRH / Corticotropin Releasing Factor antibody WB image

Western blot: SHSY5Y cell lysate stained with ARG43713 anti-CRH / Corticotropin Releasing Factor antibody.



### $\label{eq:ARG43713} \textbf{ARG43713} \textbf{ anti-CRH / Corticotropin Releasing Factor antibody WB image}$

Western blot: Rat brain tissue lysate stained with ARG43713 anti-CRH / Corticotropin Releasing Factor antibody.



## $\label{eq:argain} \mbox{ARG43713 anti-CRH / Corticotropin Releasing Factor antibody WB image}$

Western blot: Mousebrain tissue lysate stained with ARG43713 anti-CRH / Corticotropin Releasing Factor antibody.