

Rabbit CRF/CRH Polyclonal Antibody | anti-CRF/CRH antibody

Anti-CRF/CRH Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128227	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CRF/CRH; Polyclonal Antibody; Anti-CRF/CRH Antibody Picoband; Corticoliberin; corticotropin releasing hormone; CRH; Corticotropin-releasing factor; CRF; Corticotropin-releasing hormone; anti-CRF/CRH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-CRF/CRH antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CRF/CRH, identical to the related mouse and rat sequences.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U251 cells using anti-CRF/CRH antibody (AAA128227).Overlay histogram showing U251 cells stained with AAA128227 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-CRF/CRH Antibody (AAA128227, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of CRF/CRH using anti-CRF/CRH antibody (AAA128227).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human SH-SY5Y whole cell lysates,Lane 2: human U-87MG whole cell lysates,Lane 3: human U251 whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: rat C6 whole cell lysates,Lane 6: mouse brain tissue lysates,Lane 7: mouse Neuro-2a whole cell lysates,After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CRF/CRH antigen affinity purified polyclonal antibody (AAA128227) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CRF/CRH at approximately 25 kDa. The expected band size for CRF/CRH is at 21 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CRF/CRH antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-CRF/CRH antibody	Primary Antibodies
References	1. Arbiser, J. L., Morton, C. C., Bruns, G. A. P., Majzoub, J. A. Human corticotropin releasing hormone gene is located on the long arm of chromosome 8. Cytogenet. Cell Genet. 47: 113-116, 1988.2. Asakura, H., Zwain, I. H., Yen, S. S. C. Expression of genes encoding corticotropin-releasing factor (CRF), type 1 CRF receptor, and CRF-binding protein and localization of the gene products in the human ovary. J. Clin. Endocr. Metab. 82: 2720-2725, 1997.3. Behan, D. P., Heinrichs, S. C., Troncoso, J. C., Liu, X.-J., Kawas, C. H., Ling, N., De Souza, E. B. Displacement of corticotropin releasing factor from its binding protein as a possible treatment for Alzheimer's disease. Nature 378: 284-287, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119607303
NCBI GeneID	1392
UniProt Accession #	P06850; B3KQS4
Molecular Weight	21,422 Da
NCBI Official Full Name	corticotropin releasing hormone
NCBI Official Synonym Full Names	corticotropin releasing hormone
NCBI Official Symbol	CRH
NCBI Official Synonym Symbols	CRF
NCBI Protein Information	corticoliberin; corticotropin-releasing factor
UniProt Protein Name	Corticoliberin
UniProt Gene Name	CRH
UniProt Synonym Gene Names	CRF
UniProt Entry Name	CRF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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