

Rabbit anti-Human CRHR2 / CRF2 Receptor Polyclonal Antibody | anti-CRHR2 antibody

Anti-CRHR2 / CRF2 Receptor Antibody (aa10-39) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21272	Rabbit	Human	Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CRHR2 / CRF2 Receptor; Polyclonal Antibody; Anti-CRHR2 / CRF2 Receptor Antibody (aa10-39) IHC-plus; Rabbit Polyclonal to Human CRHR2 / CRF2 Receptor; Human CRHR2 / CRF2 Receptor; CRF-R-2; CRF-R2; CRF2R; Crh2 receptor; CRF2 receptor; beta isoform; CRFR2; CRFR-2; CRH-R-2; CRH2R; CRF-RB; CRF2; CRH-R2; HM-CRF; anti-CRHR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	This CRFR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-39 amino acids from human CRFR2.
Purity/Purification	Protein A purified
Form/Format	PBS, 0.09% sodium azide
Sequence Length	411
Applicable Applications for anti-CRHR2 antibody	IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Application Notes	IHC - Paraffin (1:50 - 1:100) Western blot (1:1000) Flow Cytometry (1:10 - 1:50) (Optimal dilution to be determined by the researcher)
Immunogen Species	CRHR2 / CRF2 Receptor antibody was raised against Human
Family/Subfamily	GPCR / Corticotropin releasing factor
Epitope	aa10-39
Target	CRHR2 / CRF2 Receptor
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech, Inc. makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60 degree C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100 degree C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

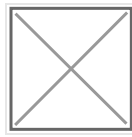
IMAGES



FCM (Flow Cytometry)
CRFR2 Antibody (D35) flow cytometry of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
CRFR2 Antibody (D35) western blot of K562 cell line lysates (35 ug/lane). The CRFR2 antibody detected the CRFR2 protein (arrow).



IHC (Immunohistochemistry)
Anti-CRHR2 / CRF2 Receptor antibody IHC staining of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307159
NCBI GeneID	1395
NCBI Accession #	NP_001874.2
NCBI GenBank Nucleotide #	NM_001883.4
UniProt Accession #	Q13324; O43461; Q4QRJ4; Q99431; B2R967; B3SXS6; B3SXS7; B3SXS8; B3SXT0; F8WA81
NCBI Official Full Name	corticotropin-releasing factor receptor 2 isoform 1
NCBI Official Synonym Full Names	corticotropin releasing hormone receptor 2
NCBI Official Symbol	CRHR2
NCBI Official Synonym Symbols	CRF2; CRFR2; CRF-RB; HM-CRF
NCBI Protein Information	corticotropin-releasing factor receptor 2
UniProt Protein Name	Corticotropin-releasing factor receptor 2
UniProt Gene Name	CRHR2
UniProt Synonym Gene Names	CRF2R; CRH2R; CRF-R-2; CRF-R2; CRFR-2; CRH-R-2; CRH-R2
UniProt Entry Name	CRFR2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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