SunLong Biotech Co.,LTD
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Rabbit Anti-CRHR1 antibody

SL10248R

Product Name	CRHR1
Chinese Name	促肾上腺皮质释放激素受体 1 抗体
Alias	CRF1; Corticotropin releasing hormone receptor variant 1h;CRF-RI; CRF 1; CRF R; CRFR1; CRH R1h; CRF-R1; CRHR 1; CRHR; CRHR1f; Releasing hormone receptor 1; Seven transmembrane helix receptor; corticotropin releasing hormone receptor 1; Crhr; MGC124237; MGC124240; CRF-R; CRF-R-1; CRF-R1; CRFR-1; CRH-R-1; CRH-R1; CRH-R1h; CRHR; CRHR1L; CRFR1_HUMAN.
Research Area	Tumour Cell biology immunology Neurobiology Growth factors and hormones Endocrinopathy
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse, Rat, (predicted: Human,)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	48kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CRHR1: 55-150/444 <Extracellular>
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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Product Detail

This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants one of which is a non-coding read-through transcript with the neighboring gene MGC57346.

Function:
Receptor for corticotropin releasing factor (CRH). Shows high-affinity CRF binding. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.

Subunit:
Interacts (via N-terminal extracellular domain) with CRF and UCN.

Subcellular Location:
Cell membrane; Multi-pass membrane protein.

Tissue Specificity:
Predominantly expressed in the cerebellum, pituitary, cerebral cortex and olfactory lobe.

Post-translational modifications:
C-terminal Ser or Thr residues may be phosphorylated.

Similarity:
Belongs to the G-protein coupled receptor 2 family.

SWISS:
P34998

Gene ID:
1394

Database links:

Entrez Gene: 1394 Human

Entrez Gene: 12921 Mouse

Entrez Gene: 58959 Rat

Omim: 122561 Human

SwissProt: P34998 Human

SwissProt: P35347 Mouse

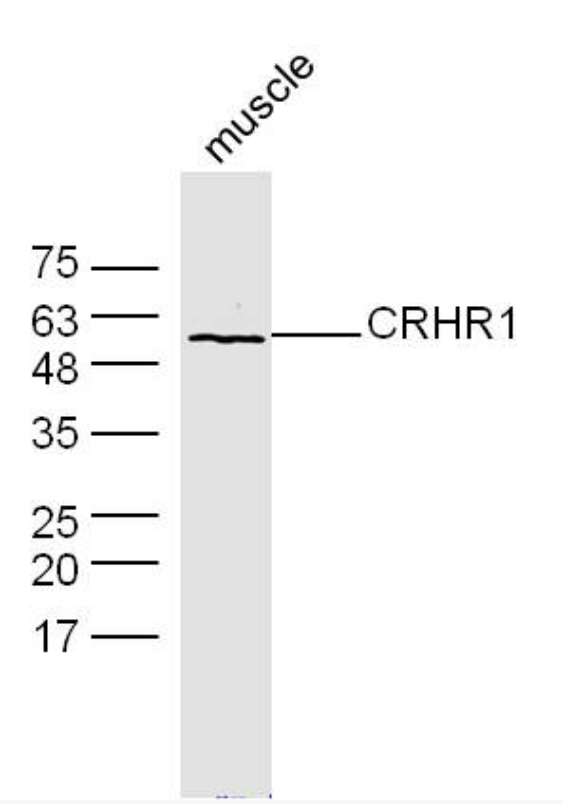
SwissProt: P35353 Rat

Unigene: 417628 Human

Unigene: 1892 Mouse

Unigene: 10499 Rat

Product Picture



Sample: muscle (mouse) Lysate at 40 ug

Primary: Anti-CRHR1(SL10248R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48 kD

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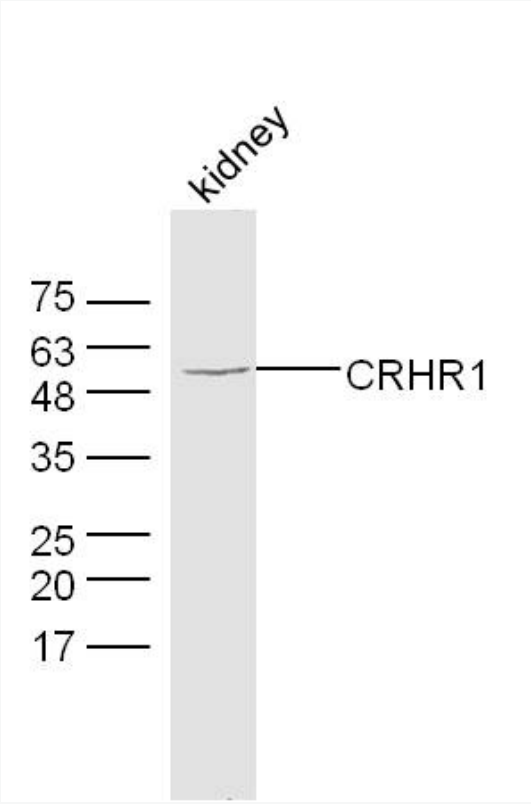
Observed band size: 58 kD



Sample: kidney (mouse) Lysate at 40 ug

Primary: Anti-CRHR1(SL10248R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48 kD

Observed band size: 58 kD

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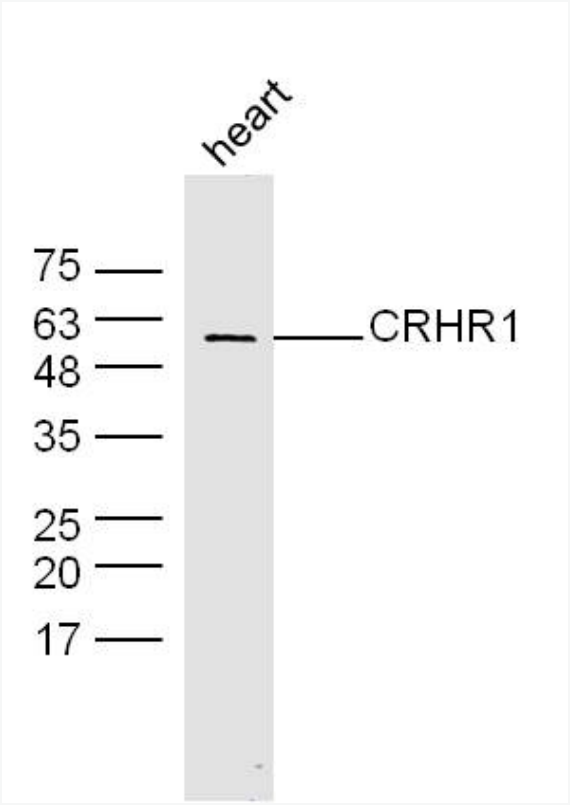

Sample: heart (mouse) Lysate at 40 ug

Primary: Anti-CRHR1(SL10248R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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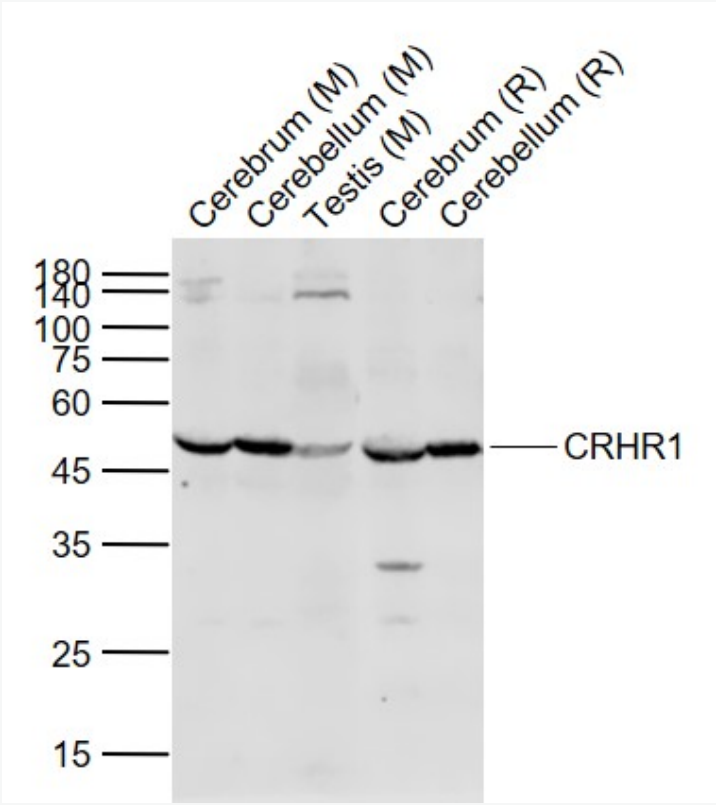

Sample:

Lane 1: Cerebrum (Mouse) Lysate at 40 ug

Lane 2: Cerebellum (Mouse) Lysate at 40 ug

Lane 3: Testis (Mouse) Lysate at 40 ug

Lane 4: Cerebrum (Rat) Lysate at 40 ug

Lane 5: Cerebellum (Rat) Lysate at 40 ug

Primary: Anti-CRHR1 (SL10248R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50-55 kD

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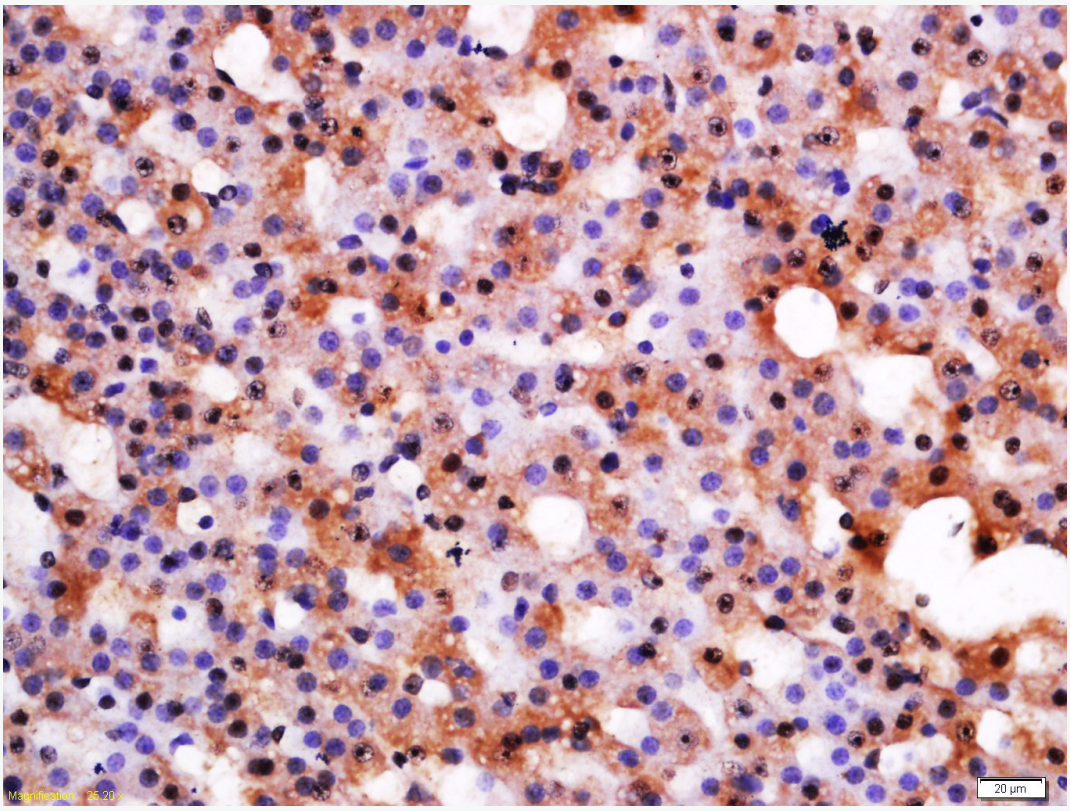
Observed band size: 48 kD



Tissue/cell: Rat adrenal gland; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37∩ for 20 min;

Incubation: Anti-CRHR1 Polyclonal Antibody, Unconjugated(SL10248R) 1:500, overnight at 4∑C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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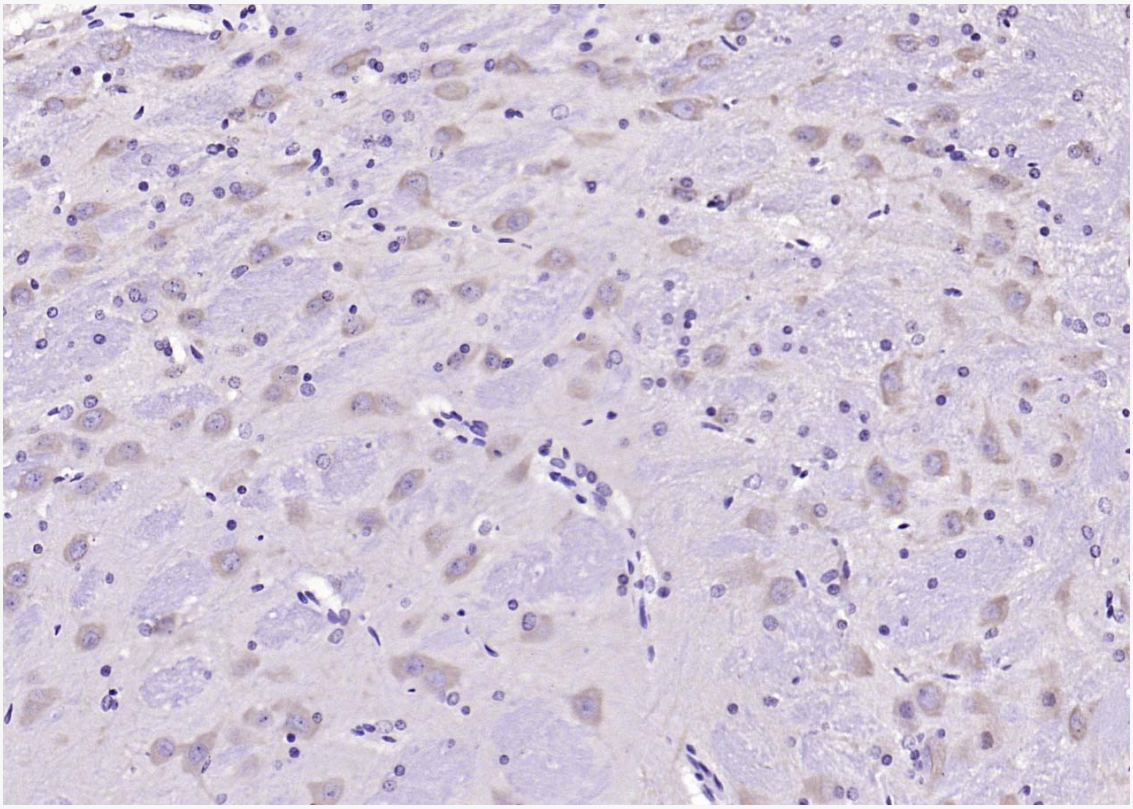

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRHR1) Polyclonal Antibody, Unconjugated (SL10248R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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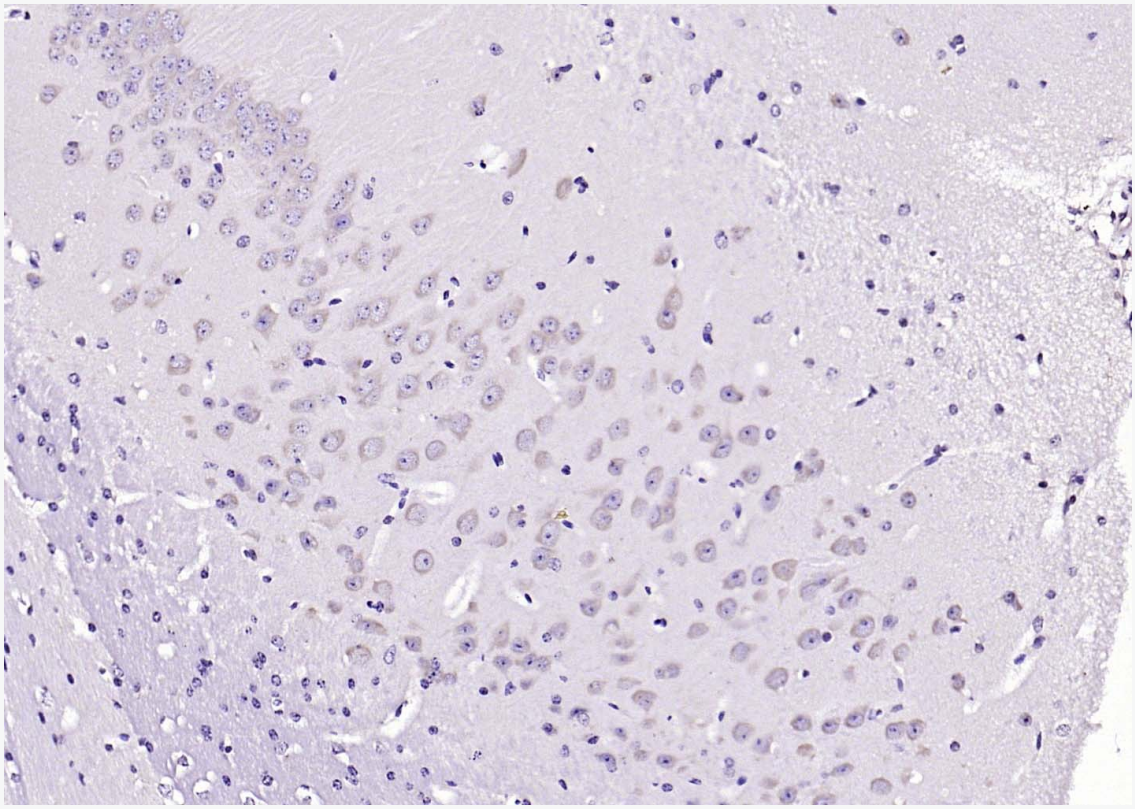

Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRHR1) Polyclonal Antibody, Unconjugated (SL10248R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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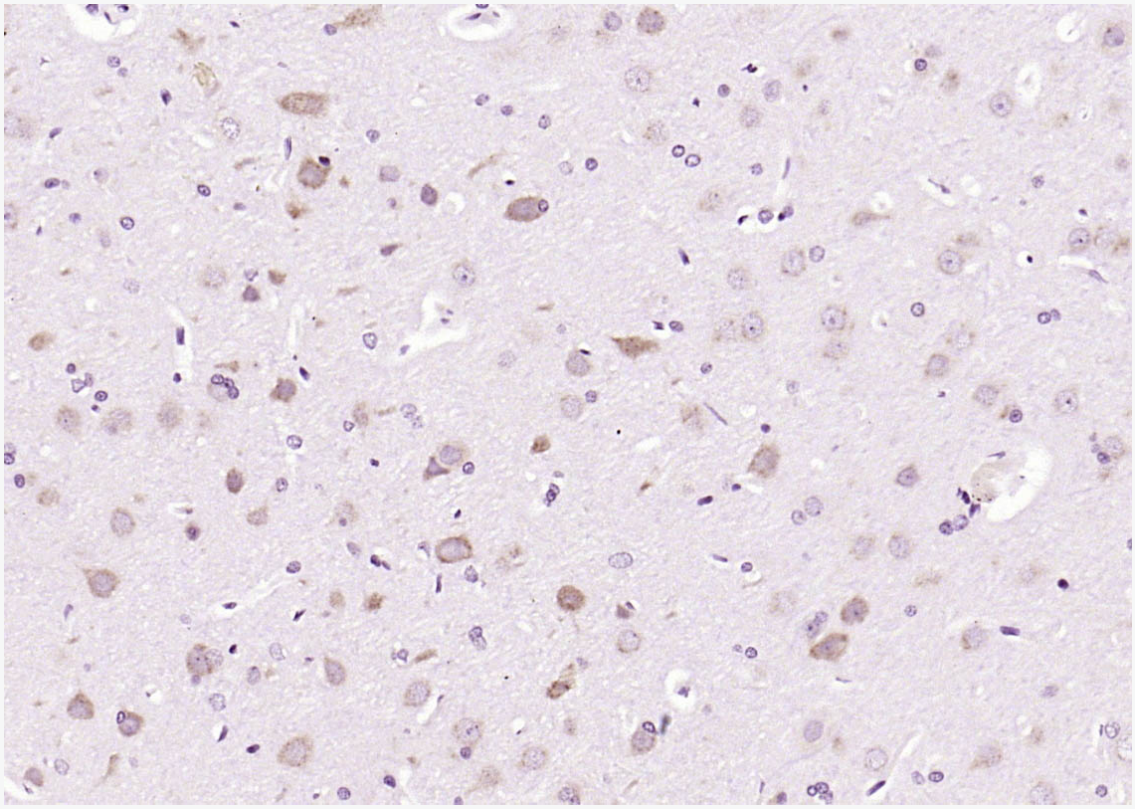

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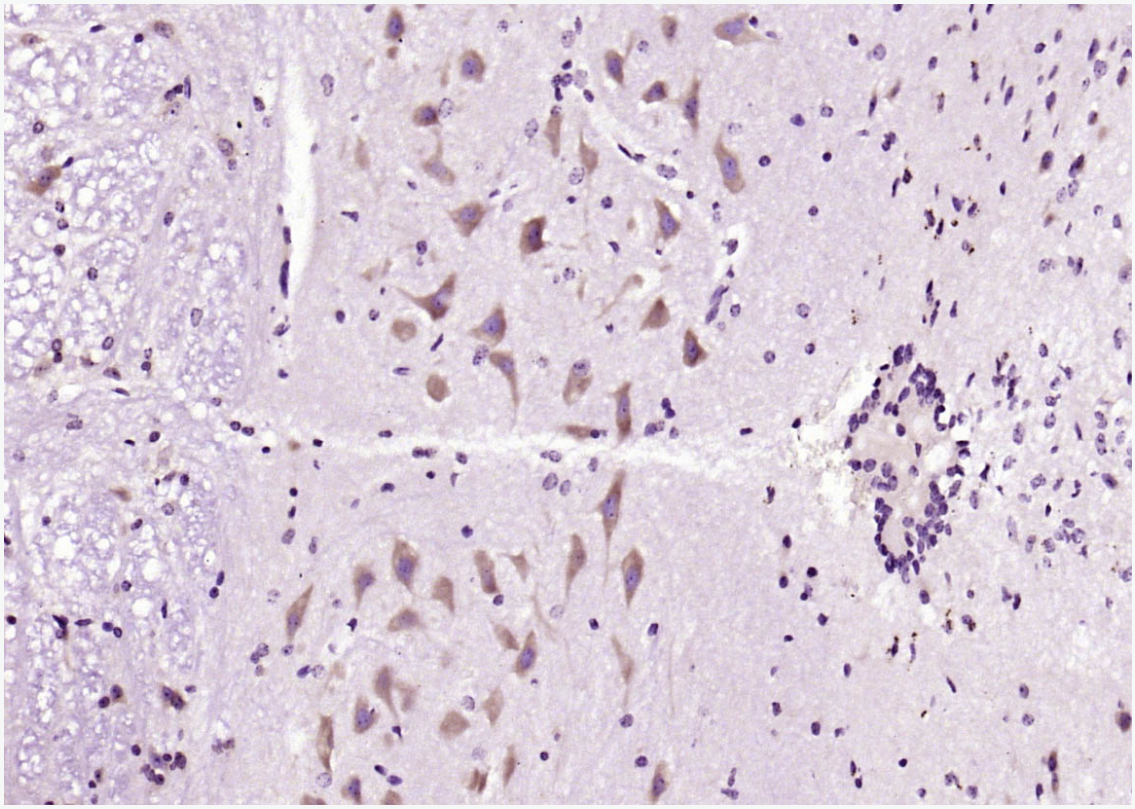

Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRHR1) Polyclonal Antibody, Unconjugated (SL10248R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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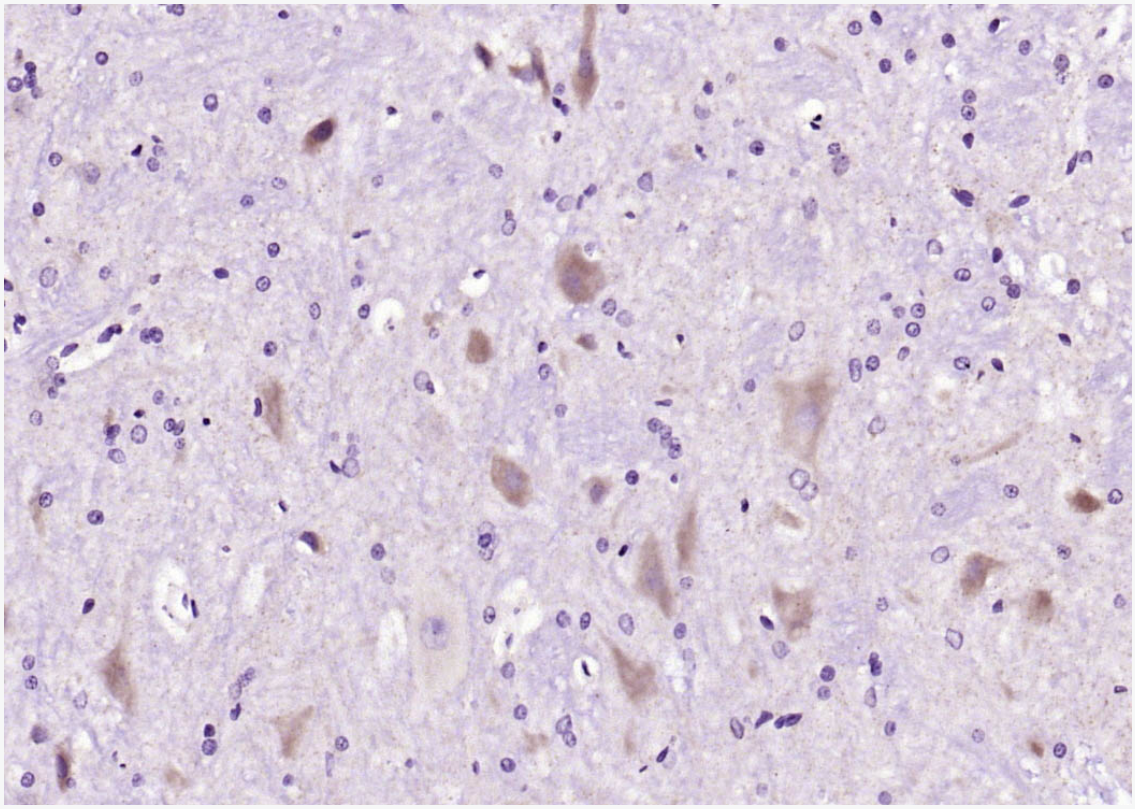

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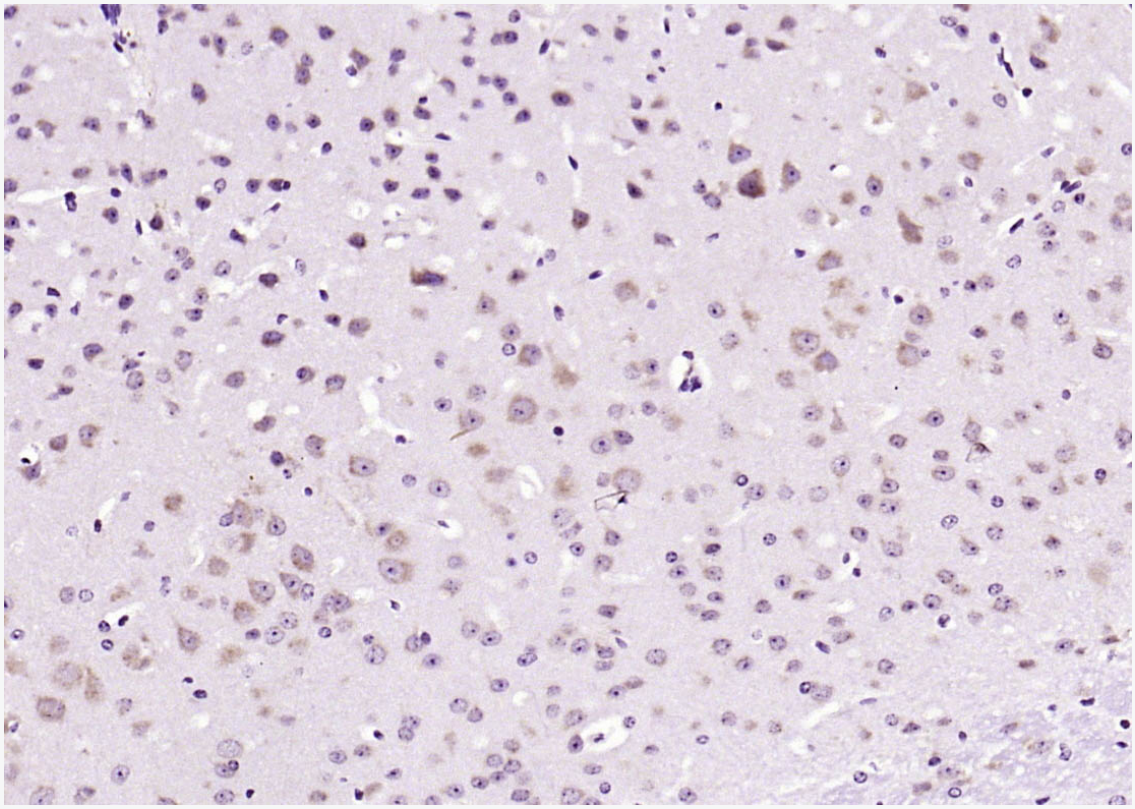

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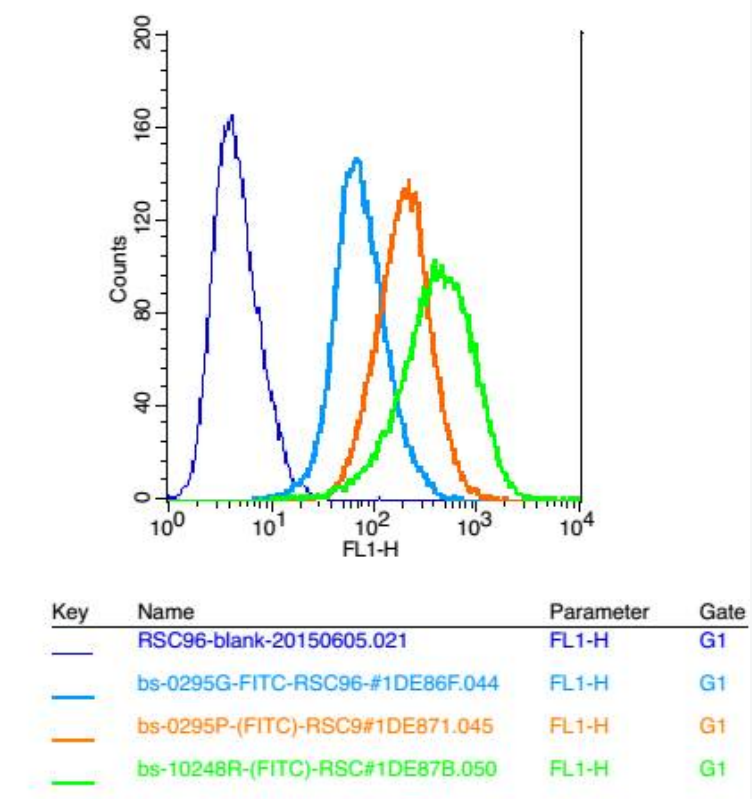

Positive control: RSC96 cells

Concebtration: 5ug/10^6 cells

Incubation conditions: Avoid light , 30 minutes on the ice.