GnRH1 Rabbit mAb

Catalog No.: A30138

Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
10 kDa

Category
Monoclonal Antibodies

Applications
IF-F, IF-P, IHC-P, ELISA

Cross Reactivity
Mouse, Rat

Clone No.
ARC84094

Background

This gene encodes a preproprotein that is proteolytically processed to generate a peptide that is a member of the gonadotropin-releasing hormone (GnRH) family of peptides. Alternative splicing results in multiple transcript variants, at least one of which is secreted and then cleaved to generate gonadoliberin-1 and GnRH-associated peptide 1. Gonadoliberin-1 stimulates the release of luteinizing and follicle stimulating hormones, which are important for reproduction. Mutations in this gene are associated with hypogonadotropic hypogonadism.

Recommended Dilutions

IF-F	1:200 - 1:800
IF-P	1:200 - 1:800
IHC-P	1:500 - 1:2000
ELISA	Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1: 10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
2796

Swiss-Prot
P01148

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
GRH; GNRH; LHRH; LNRH; GNRH1

Contact

400-999-6126

cn.market@abclonal.com.cn

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Product Information

Source
Rabbit

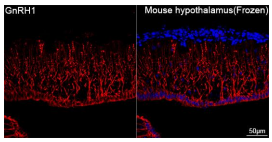
Isotype
IgG

Purity
Affinity purification

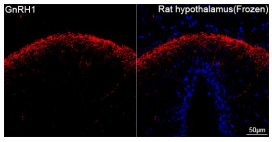
Storage

Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

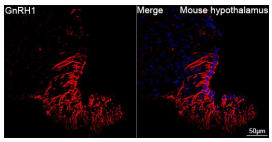
Validation Data



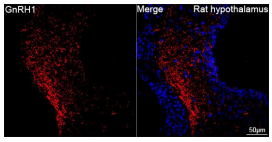
Confocal imaging of frozen sections of Mouse hypothalamus tissue using GnRH1 Rabbit mAb (A30138, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



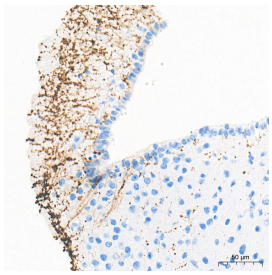
Confocal imaging of frozen sections of Rat hypothalamus tissue using GnRH1 Rabbit mAb (A30138, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



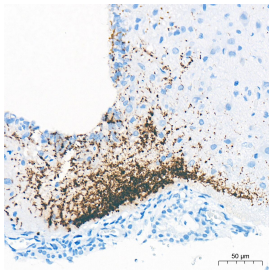
Confocal imaging of paraffin-embedded Mouse hypothalamus tissue using GnRH1 Rabbit mAb (A30138, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat hypothalamus tissue using GnRH1 Rabbit mAb (A30138, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse hypothalamus tissue using GnRH1 Rabbit mAb (A30138) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat hypothalamus tissue using GnRH1 Rabbit mAb (A30138) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.