For Research Use Only

NMUR1 Polyclonal antibody

Catalog Number:14619-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
14619-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6235

GenBank Accession Number:
BC036543

GeneID (NCBI):
10316

UNIPROT ID:
Q9HB89

Full Name:
neuromedin U receptor 1

Calculated MW:
47 kDa

Observed MW:
47 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human colon tissue, human stomach tissue, mouse pancreas tissue

IHC : mouse brain tissue, human colon tissue, human testis tissue

Background Information

Neuromedin-U (NMU) is a widely expressed peptide with the highest abundance in the central nervous system (CNS) and intestinal tract of nearly all vertebrate species. NMU mediates several physiological functions via its two cognate receptors, NMUR1 and NMUR2 (PMID:37102164). NMUR1(NmU receptor 1) has the highest expression in peripheral tissues, particularly the GI tract, pancreas, uterus, and testes but has also been reported in peripheral nerve terminals (PMID:10783389).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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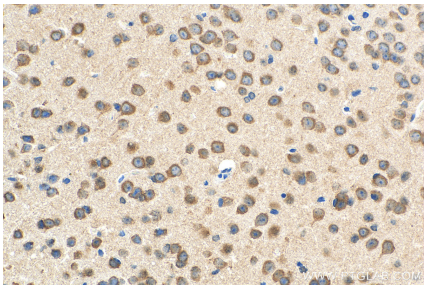
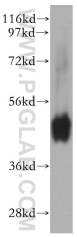
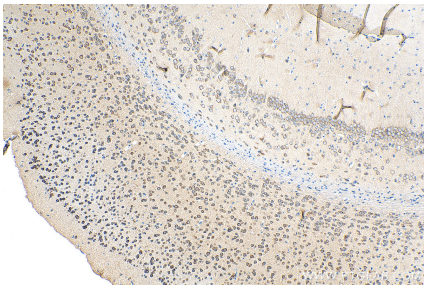
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14619-1-AP (NMUR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human colon tissue were subjected to SDS PAGE followed by western blot with 14619-1-AP (NMUR1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14619-1-AP (NMUR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).