

For Research Use Only

NMUR1 Polyclonal antibody

Catalog Number: 14619-1-AP



Basic Information

Catalog Number: 14619-1-AP	GenBank Accession Number: BC036543	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 160 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10316	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: neuromedin U receptor 1	
Isotype: IgG	Calculated MW: 47 kDa	
Immunogen Catalog Number: AG6235	Observed MW: 47 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : human colon tissue, human stomach tissue, mouse pancreas tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

*** 20ul sizes contain 0.1% BSA

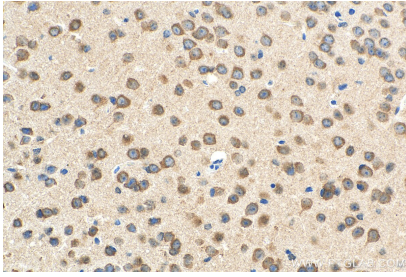
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

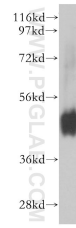
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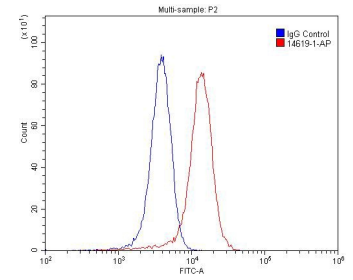
Selected Validation Data



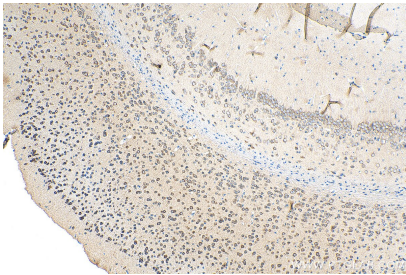
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14619-1-AP (NMUR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



1X10⁶ SH-SY5Y cells were stained with 0.2ug NMUR1 antibody (14619-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



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).