

For Research Use Only

NPBWR2 Polyclonal antibody

Catalog Number: 24162-1-AP



Basic Information

Catalog Number: 24162-1-AP	GenBank Accession Number: BC067481	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 850 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2832	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P48146	
Isotype: IgG	Full Name: neuropeptides B/W receptor 2	
Immunogen Catalog Number: AG20874	Calculated MW: 333 aa, 37 kDa	

Applications

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

Background Information

NPBWR1 (GPR7) and NPBWR2 (GPR8) are two structurally related G-protein coupled receptors. These two receptors share high sequence identity to each other and significant similarity with opioid and somatostatin receptors (PMID: 10407191). Neuropeptide B (NPB) and neuropeptide W (NPW) are endogenous peptide ligands of these receptors. NPBWR1 was found highly conserved in both human and rodents while NPBWR2 gene was not found in the rodent genomes (PMID: 7590751; 10407191). NPBWR1 and NPBWR2 are implicated in energy homeostasis, pain, and emotion (PMID: 23515889).

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

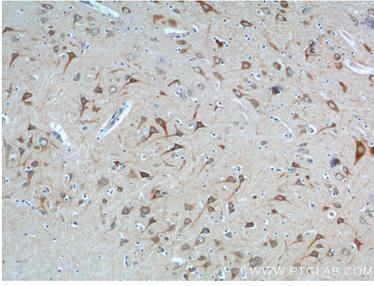
For technical support and original validation data for this product please contact:

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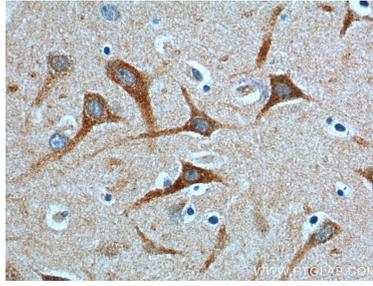
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24162-1-AP (NPBWR2 Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24162-1-AP (NPBWR2 Antibody) at dilution of 1:100 (under 40x lens).