

For Research Use Only

# NPBWR2 Polyclonal antibody

Catalog Number: 24162-1-AP



## Basic Information

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

## Applications

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

## 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

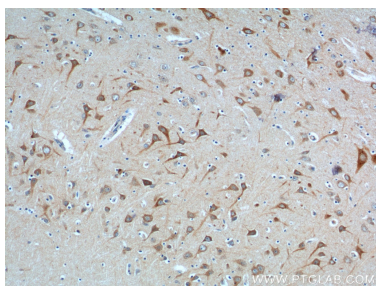
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

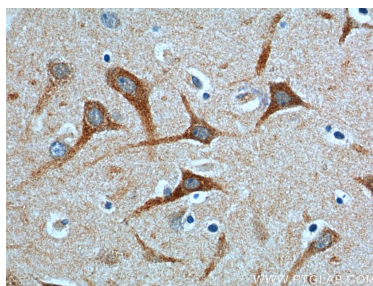
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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).