

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:	850 µg/ml	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:	
Species Specificity:	human	IHC : human brain tissue,	

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

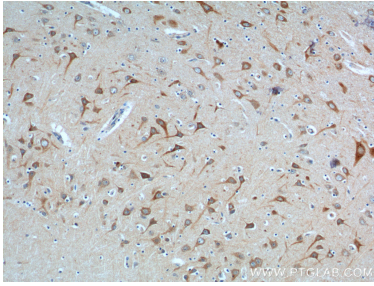
Background Information

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).

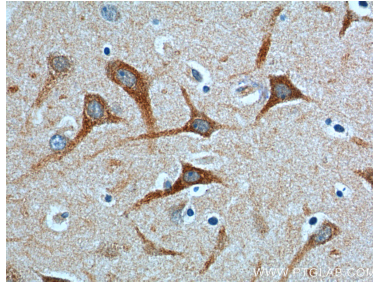
Storage

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

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).