

For Research Use Only

GPR3 Polyclonal antibody

Catalog Number: 20847-1-AP



Basic Information

Catalog Number: 20847-1-AP	GenBank Accession Number: BC032702	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 270 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2827	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P46089	
Isotype: IgG	Full Name: G protein-coupled receptor 3	
Immunogen Catalog Number: AG14257	Calculated MW: 330 aa, 35 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse brain tissue, human kidney tissue
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	

Background Information

GPR3 (G protein-coupled receptor 3) was first cloned from a mouse cDNA library in 1993 before being cloned from human genomic libraries by several independent groups (PMID: 29941868). GPR3 mRNA is broadly expressed in neurons in various brain regions, including the cortex, thalamus, hypothalamus, amygdala, hippocampus, pituitary, and cerebellum (PMID: 22207171). Moreover, the GPR3 protein is overexpressed in neurons in post-mortem brain tissue sections from individuals afflicted by Alzheimer's disease (PMID: 19213921).

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

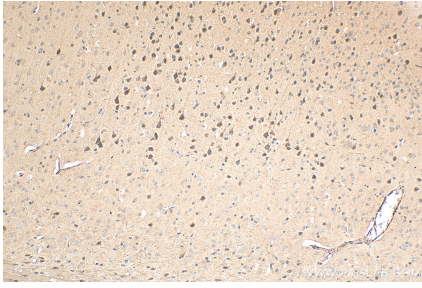
For technical support and original validation data for this product please contact:

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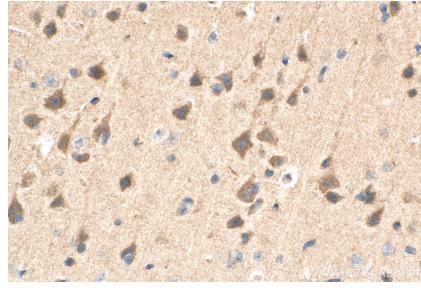
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20847-1-AP (GPR3 antibody) at dilution of 1:50 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20847-1-AP (GPR3 antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).