

For Research Use Only

# GPR3 Polyclonal antibody

Catalog Number: 20847-1-AP



## Basic Information

Catalog Number:

20847-1-AP

Size:

150ul , Concentration: 270 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14257

GenBank Accession Number:

BC032702

GeneID (NCBI):

2827

UNIPROT ID:

P46089

Full Name:

G protein-coupled receptor 3

Calculated MW:

330 aa, 35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

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**

Positive Controls:

IHC : mouse brain tissue, human kidney tissue

## 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

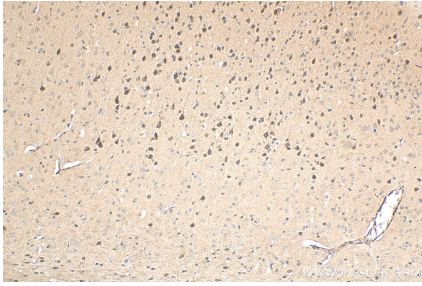
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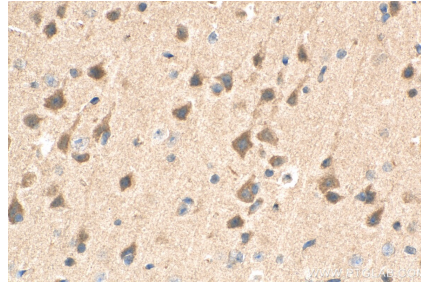
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## Selected Validation Data



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).