

For Research Use Only

# GPR137 Polyclonal antibody

Catalog Number: 11929-1-AP

Featured Product

7 Publications



## Basic Information

**Catalog Number:**

11929-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2611

**GenBank Accession Number:**

BC033920

**GeneID (NCBI):**

56834

**UNIPROT ID:**

Q96N19

**Full Name:**

G protein-coupled receptor 137

**Calculated MW:**

396 aa, 44 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

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 gliomas tissue

## Background Information

G protein-coupled receptors (GPRs) are highly related to oncogenesis and cancer metastasis. G protein-coupled receptor 137 (GPR137) was initially reported as a novel orphan GPR about 10 years ago. GPR137 is ubiquitously expressed in the central nervous system (CNS), mainly in the hippocampus (PMID: 22025619). GPR137 is involved in the progression of human glioma, suggesting GPR137 as a potential oncogene of glioma cells (PMID: 24870220). Recent study shows that GPR137 plays an important role in colon cancer cell proliferation (PMID: 25301753).

## Notable Publications

Author	Pubmed ID	Journal	Application
Kensuke Iwasa	36436172	Neurochem Res	WB
Gang Zong	24870220	Neurol Sci	IHC
Hao Li	29321966	J Bone Oncol	WB

## 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

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

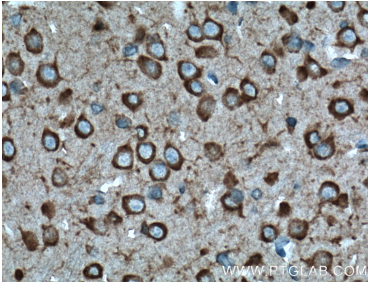
T: 4006900926

E: Proteintech-CN@ptglab.com

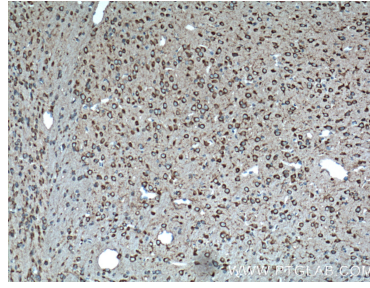
W: ptgcn.com

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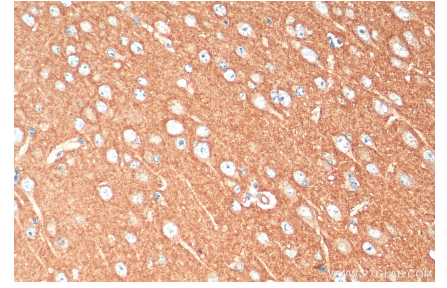
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11929-1-AP (GPR137 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11929-1-AP (GPR137 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11929-1-AP (GPR137 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).